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Pinetum

FLOWERBULBS



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DAHLIAS

ROSES

IRIS

SHRUBS

PEONIES

LILIES



PINETUM GARDENS

E. CRAWFORD JONES

OCEANSIDE PARK, ROCKVILLE CENTER

N.Y.

FOREWORD

PINETUM HORTICULTURAL products have always been offered to the public on the basis that they represented specialized achievements by specialists.

Our first offerings were confined to gladioli. Each year we have added other products but always as the result of specialized effort.

Selection of varieties have been by the two chief hybridizers at Pinetum, Walter L. Kottzman and Fred R. Jones, and are the result of extended and conscientious experiments.

It is exceedingly gratifying to be able to say that our business has doubled each season because we feel that this is rather satisfactory evidence that our policy is correct.

In the 1921 season the business developed to such a sudden extent that the service given was not up to the standards which we had outlined and to some of our customers we were greatly indebted because of our inability to provide the kind of service they had the right to expect.

These conditions have been remedied.

At Pinetum Gardens the ideal is to conduct all business relations on a basis of placing the human element first; and at least we hope so.

However, we think that we can help to make beautiful gardens more beautiful and this is a splendid inspiration.

TERMS OF SALE

No order for less than \$2.50 unless a re-order will be accepted against prices quoted in this catalogue.

If we make any offers at a smaller amount in newspaper or magazine advertisements they will not carry with them the same amount of service that is provided in orders received through this catalogue or for amounts of \$2.50 or more.

No cash discounts are allowed and payment is in advance with the order.

No C.O.D. shipments will be made.

Time of shipment is as soon after February 15 as the weather will permit with precedence on Southern and Pacific Coast orders.

Dahlias are about the latest to be out in May unless otherwise requested.

All orders when sent by parcel post must include delivery charges.

Express orders are very prompt.

We insure every shipment and pay any such charges.

Warranties governing sales are stated on order form attached to page 10 in this catalogue.

In a Garden--"Crazy Stuff"**NIGHT. MOONLIGHT.**

An old Mission-type bungalow near the sea coast. Outside a bitter Winter wind sweeping from the South and tempered by sentinels of sturdy, old black pines. Inside a shaded room and a poor little searcher for the meaning of life trying to learn something from the in-

tricacies of the radio.

WOAI (San Antonio) reveals what it is trying to get out or from existence and the humble seeker tries to find out what interests Los Angeles but there is ominous silence.

But—just a moment. Here comes something—

TAO (Su Chin, China). An elderly man seated in a garden surrounded chiefly by lilacs, the kind only the Chinese know how to grow.

"Well, how-to-do, highly civilized man; greetings from poor, half-civilized Chinese. (See American School Books.)

"Here I sit and I am peaceful—and very lazy according to your highly-civilized American ideas. My poor country is even now passing through the most difficult period of its history but we are peaceful—and lazy.

"That is because we know how to sit in a garden and know what a garden can tell us.

"Watching the little seed germinate into mighty pine tree we (humble heathens) think we know that highly-civilized Westerners expend about 70 per cent. more energy than is necessary; that it is wasted effort and we do know, for a certainty, that despite all your wonderful prosperity you are not happy-contented as the Tao-Teh-King would say.

"Yet you should be; life is just what you make it and the garden tells you how.

"Your honorable Mr. Ford builds peace ships (to go nowhere) but provides petroleum wagons to take you somewheres—away from your homes and your gardens.

"Why not have more gardens?

"Maybe this radio contrivance may help, at least to keep you home and acquainted with life in its real purport—its passive side."

Buzz-buzz. WHN ("Tillie Tinglefoot will now render that inimitable ballad, 'There's None So Hot as Red-Hot Mamma.'")

Oh hell! (Four dials down to Zero.)

Silence.

"And day by day the dawn or dark unfolds

And feeds with beauty eyes that cannot see;

How in her womb the mighty mother moulds

The infant spirit of Eternity."

F. R. J.





Merry Heralds of the Spring—Poeticus Narcissi

PINETUM NARCISSI

WE FEATURE NARCISSUS in this 1925 catalogue because they are the particular variety of flower bulbs that will be subjected to considerable price changes during the year. The United States Government embargo will go into effect January 1 and many varieties will be almost eliminated from home gardens and florists' windows for several years.

Narcissi are the real harbingers of Spring in this country and we would hate to see them eliminated.

Only a few selected varieties are listed here but we shall be pleased to furnish a complete list.

TRUMPETS—Yellow

Emperor. A leader among Narcissi. Primrose petals, (perianth) deep yellow trumpet. \$2.50 per 12; \$20 per 100.

King Alfred. Largest clear golden trumpet. \$3.50 for 12; \$25.00 per 100.

Golden Spur. Large golden yellow and preferable over King Alfred for forcing. \$1.25 per 12; \$9.50 per 100.

TRUMPETS—White.

Madame de Graff. Pure white petals; soft yellow trumpet shading to primrose-white. \$1.25 per 12; \$9.50 per 100.

TRUMPETS—Bi-Color (White, Yellow Trumpet)

Empress. Pure white petals, deep yellow trumpet. \$1.15 for 12; \$8.50 per 100.

CUP NARCISSUS

Poeticus Ornatus. The great favorite and the glory of the early garden and naturalized woods. Snow-white petals and scarlet eye. Difficult to describe; it is so perfect. 50 Cents for 12; \$5 per 100; \$45 per 1,000.

Barri Conspicuous. Large, broad, pale yellow petals; deep yellow cup with bright scarlet edge. \$1 for 12; \$7 per 100.

Incomparabilis Sir Watkin. Immense yellow with cup about one inch long, very hardy, profuse bloomer. \$1.25 per 12; \$9 per 100.

Leedsii White Lady. Broad white petals of perfect form; pale canary-yellow cup. \$1 for 12; \$7.50 per 100.

Poetaz Elvira. Pure white, yellow eye. \$1.25 per 12; \$8 per 100.

Odorus or Jonquil Type

Selected. \$1 for 12; \$7 per 100.

Double Von Sion

Golden yellow, beautifully ruffled and thickly double. \$1.25 per 12; \$8.50 per 100.

Readers interested in the growing of narcissus should send 15 cents to Superintendent of Documents, Government Printing Office, Washington, D. C., for "The Production of Narcissus Bulbs" by David Griffiths, 1924.



A GOOD EXHIBIT IN A BOMB-SHAPED PEONY

PEONIES (*Paeonia Albiflora*)

Culture. Fall is the best time to plant as time is gained in that way. Otherwise early spring planting is just as good but in that case bloom is not likely until the following year. However in developing new flower beds and for general landscape work spring planting is desirable. Peonies are not gross feeders despite popular belief. Placing the eyes or roots 2 to 3 inches below the surface of the soil is the chief consideration. Give plants plenty of room and moisture but they must not stand in undrained soil. They like real cold weather. Keep fresh manure from roots. Dried manure is all right.

Strong 3 to 5-eye divisions.

(Ratings of American Peony Society precedes name of each variety. Only varieties with ratings above 7.0 included.)

8.5 Adolphe Rousseau. (D. & M. 1890.) Exceptionally large, semi-double purple-garnet color; a tall, vigorous grower. Foliage dark, veined red. Early. One of the darkest peonies. Recommended for landscape work. Also a good commercial variety. \$1.00 each; \$7 for 10.

8.6 Albert Crousse. (Cr. 1893.) Large, flat, compact bomb type. Color, rose-white, flecked crimson. Very fragrant, tall, erect and a free bloomer. Late. One of the best. Good cut-flower variety. \$1.50 each, \$12 for 10.

7.1. Candidissima. (Cal. 1856.) Full, double rose type of pure white with sulphur center; carpeloides in center tipped green. Tall, vigorous, free bloomer. Fragrant. Early. 75 cents each; \$6 for 10.

PINETUM \$3 PEONY SPECIAL. 6 peonies, rated above 7.0 and in 6 colors (our selection). A good selection of 6, not rated, \$2.00.

8.4 Felix Crousse. (Cr. 1881.) Large, globular bomb type. Vivid red; strong, vigorous grower of medium height and a free bloomer. Considered one of the best reds and a quick seller each season. \$1 each; \$10 for 10.

9.3 Festiva Maxima. (Miel. 1851.) The popular white peony. Very large, globular, rose type. Pure white center, prominently flecked crimson; outer petals sometimes lilac-white when bloom is opening. Tall, strong, hardy grower. Early. 75 cents each; \$5 for 10.

7.3 Francois Rousseau. (Des. 1909.) Rose-shaped bloom of intense, velvety red. Early. This in our opinion is the most effective among velvety reds and should be in every good collection. Medium height, erect. \$4 each; \$32 for 10.

8.2 Harriet Farnsley. (Brand 1916.) Rose type. Soft shell-pink. Large-sized flowers borne one to a stem. Very late. \$1.50 each; \$10 for 10.

8.8 Karl Rosenfield. (Ros. 1908.) Large, globular, compact, semi-rose type. Very large. Dark crimson and highly effective. Free bloomer. Midseason. Generally a prize-winner wherever exhibited. \$3 each; \$24 for 10.

7.5 La Tulipe. (Cal. 1872.) Very large, flat, semi-rose type. Lilac-white, outer guard petals striped crimson. Fragrant. Tall, strong grower, free bloomer. Late midseason. A good Peony on account of growth and general habit. 75 cents each; \$5 for 10.

9.9 Le Cygne. (Lem. 1907.) Without doubt the greatest peony achievement. Pure milk-white with texture effect suggesting delicate lace work. It is a large, globular, semi-rose type. Plant growth very erect, medium tall with stiff stems; free bloomer. Petals are much incurved. Fragrant. Price is high but its superiority to all other varieties makes this a relatively unimportant consideration. Midseason. \$15 each.

8.9 Marie Crousse. (Cr. 1892.) Large, globular, medium to loose bomb type. Uniform pale lilac-rose. Tall, erect, strong grower and free bloomer. Extra good. Midseason. \$4 each; \$32 for 10.

9.2 Monsieur Jules Elie. (Cr. 1888.) Very large, medium, compact, high crown. Pale lilac-rose, (2178); collar lighter, shaded amber-yellow at the base. Fragrance XX. Medium height, strong growth. Early. Extra. Ranks among the pinks as Festiva Maxima does among the whites. \$1.50 each, \$12 for 10.

PAEONIA OFFICINALIS

(The European or early May-flowering specie; the type found in old-fashioned gardens. Very hardy and highly effective in "mother's garden" and especially planted in groups.)

Alba Plena. Large, convex double, pure white.

Rosea Plena. Large, full blooms; glossy soft pink, shaded chamois.

Tenuifolia Floraplena. Double, vivid crimson bloom.

All the above, \$2 each.

Rubra Plena. Large, globular, brilliant crimson. This is the well-known old-fashioned red of our boyhood and girlhood. \$1 each.

The
Old-
Fashioned
Single



PINETUM DAHLIAS

(Pinetum dahlias are grown without the aid of nitrate of soda and other "forcing" fertilizers; neither are they forced for exhibition purposes.)

PINETUM'S DAHLIA LEADERS

The following 4 varieties may be safely considered the best in dahlia achievement to date:

AMUN RA. (Seal) Giant flowers, coppery bronze shading to gold and amber.

GLADYS SHERWOOD. Giant form, pure white, hybrid cactus.

MRS. I. DE WARNER (Marean). Strong, vigorous grower; color clear self-pink-lavender, generally described as "mauve."

JERSEY'S BEAUTY (Waite). Soft rose pink on vigorous stems of from 4 to 5 feet without forcing; probably the best dahlia in existence.

This Collection \$12.00

New Introductions, 1924-1925

ROBERT TREAT (Mueller). Very large flowers, color midway between cerise and American beauty red. Flowers 9 to 11 inches across. Winner of "Garden Magazine" Sweepstakes prize, 1924. Tubers, \$10.00. Plants, \$5.00.

ROLLO BOY (Pelicano). Gigantic hybrid-cactus, delicate amber shading to gold. First prize at San Francisco show; also as the largest flower in the show and also the silver medal of the Garden Club of America. Price on application.

Cactus Incurved

20. **F. W. Fellows.** (Brilliant orange-terra-cotta.) An old favorite but a leader in all exhibitions. Large bloom, long, narrow petals. Strong stems. Price, 75c. 3 for \$1.75.

24. **Pierrot.** (Rich amber, tipped white at ends.) Profuse bloomer and grower. Price, 50c. 3 at \$1.25.

Cactus Hybrids

36. **Ambassador.** (Soft yellow buff, shaded salmon pink.) One of the best cactus varieties ever introduced. Price, \$5.00; plants, \$2.50.

40. **Attraction.** (Light, clear, lavender-pink.) Winner at most shows in this country and Europe. An old variety but still supreme. Strong grower; good bloomer; very strong stems. Price, 75c. 3 at \$2.00.

41. **Ballet Girl.** (Orange and white.) Large flowers, free bloomer. Price, \$1.50; 3 at \$4.00.

42. **Bianca.** (Rose-lilac, white at center.) Free flowering on strong stems; flowers four to five inches across without forcing. A favorite in all dahlia shows for 1923. Price, 75c. 6 at \$4.50.

45. **Francis Lobdell.** (Mallow-pink shading to white.) Very strong stem, profuse bloomer but not a tall grower; its free blooming habit makes it a popular variety. Price \$5.00.

46. **Etendard De Lyon.** (Petunia Violet.) Another established standard. Parent of "Violetta" and nearly as good. Good bloomer, fairly large flowers. Price, 75c; 6 at \$4.00.

47. **Gladys Sherwood.** (Pure white.) Large flowers on strong stems. The most desirable hybrid cactus. Price, \$1.50.

48. **Golden West.** (Old gold, suffused, soft pink.) Large flowers, generally 5 inches across. One of the California leaders. Price, 75c; 6 at \$2.50.



JERSEY'S BEAUTY

49. **Kalif.** (Pure, rich, scarlet.) Monster blooms on strong stems. Low-price but a leader. Price, 75c; 3 at \$1.75.

54. **Mariposa.** (Delicate pink, violet suffusion.) An exhibition flower of considerable vogue. Price, \$4.00.

56. **Mrs. Charles H. Breck.** (Primrose yellow blending to rose-pink.) A general favorite. Price, 50c; 6 at \$2.50.

60. **Red Cross.** (Scarlet and gold.) Large flowers, strong stems and a good exhibition variety. Price, \$1.00; 6 at \$5.00.

62. **Violetta.** (Petunia violet.) A Waite achievement and really a most stunning color and flower result. Price, \$4.00.

Decorative Type

80. **Amun Ra.** (Orange-copper shading to gold and amber; rich, dark-reddish bronze in center. Gold medal winner. Very large and vigorous grower and a new variation in shape. Price, \$2.50.

81. **Delice.** (Warm medium pink.) One of the most attractive self-pink decorative dahlias we know. It is not large and not desirable for exhibition purposes. Price, \$5.00.

83. **F. A. Walker.** (Pale, rosalene purple.) Large flowers and sturdy. Price, Half Doz., \$1.25; Doz., \$2.25.

84. **Hortulanus Fiet.** (Salmon and amber center.) One of the best Holland varieties and popular with those who grow it. Price, 75c; 3 at \$1.75.

84. **Hortulanus Witte.** (Pure white.) This is another Holland variety that is a leader in Europe and especially Great Britain. A real white. Price, 75c; 3 at \$1.75.



Delice, one of the low-price dahlias but the best coral-pink in existence.

85. **Insulinde**. (Rich golden orange.) Very large flowers and in color a conspicuous leader among all dahlia varieties. Prize-winner in Europe and this country. Price, \$1.50.

84. **Jersey's Beauty**—See page 5.

86. **Jersey's King**. (Carmine.) Very large and extremely attractive. Price, \$2.00.

88. **Jersey's Pride**. (Yellow, amber and pink.) Enormous flowers; long, strong stems. Certificate, A. D. S. Stock (1925 scarce.) Price, \$3.50.

85. **Jersey's Gem**. (Lavender pink.) Large flowers on perfect stems; free bloomer. One of the best. Price, \$10.00.

92. **Jersey's Giant**. (Soft, lemon yellow.) Perfect form and giant flowers. Price, \$4.50.

90. **Jersey's Queen**. (Coral pink.) Excellent form and large flower. Price, \$4.50.

93. **Judge Marean**. (Salmon-pink, orange and yellow.) Sturdy grower, free bloomer. Considered one of the best by most collectors. Price, \$2.00.

93a. **King of The Autumn**. (Buff-amber.) Very high, wiry stems of excellent keeping qualities and popular for commercial use. Each, 75c; 6 at \$3.50.

85. **Latona**. (Amber-buff.) One of the oldest but color is one of the best and growth is only second to "Jersey's Beauty"; strong, steel-like stems. Price, 75c; 3 at \$1.50.

94. **Mephistophecles**. (Vivid scarlet.) A remarkable dahlia achievement; especially for color and size. Price, \$3.00.

97. **Mina Burgle**. (Rich scarlet.) The old but ever popular variety with real dahlia lovers. Can be cultivated to attain giant size. Price, 35c; 6 at \$2.00.

96. **Mrs. Carl Salbach**. (Lavender-pink, with golden yellow at petal ends.) Giant size and very popular. Price, \$1.00.

PINETUM \$3.00 DAHLIA SPECIAL—Twelve choice varieties, cactus incurved; cactus hybrid, decorative and peony types.

Pinetum

99. **Mrs. I. De Ver Warner.** (Vivid pink-lavender.) Extremely strong grower; large and free bloomer and excellent form. Generally a prize-winner and the second best dahlia in existence. Price, \$2.00.

100. **Patrick O'Mara.** (Solid yellow.) Large, prize-winner, American Dahlia Show, 1920. Price, 75c; 6 at \$4.00.

101. **Paul Michael.** (Bright apricot, bronze shading.) An exhibition flower of considerable excellence. Price, \$2.00.

104. **Princess Pat.** (Old rose.) A very attractive variety, especially among leading women dahlia growers. Price, \$1.00.

106. **The Emperor.** (Maroon.) Another Marean achievement. Enormous bloom and a general prize-winner. Price, \$3.00.

108. **Venus.** (Creamy white with lavender suffusion.) Large flowers, strong stems and a most beautiful variety. Price, \$1.00.

Peony Types

114. **Geisha.** (Orange and red with yellow center.) This is one of the exhibition varieties. Each, 75c; 6 at \$4.00.

116. **Laura Barnes.** (Coppery Bronze.) Long petals and a real beauty. Each 75c.; 6 at \$4.00.

Show or Ball Type

122. **A. D. Lavoni.** (Clear pink.) Very prolific and sturdy. Quill effect is about the best of any show type. Each, 25c; Dozen, \$2.50.

124. **Estelle Cristy.** (Clear yellow.) Good companion to "A. D. Lavoni." Each, \$1.00; 6 at \$5.00.

126. **Estelle Maude.** (Pure white.) An old favorite. Each, 25c; 6 at \$1.25.

Century or Single Type

Jack (Fiery scarlet; golden-yellow center.)

Snowdrop. (Clear white.)

Union Jack. (Clear, vivid scarlet, white stripes.) Each, 25c; Dozen, \$2.50.

Collerette Type

Achievement. (Velvety maroon; white collar.)

Maurice Rivoire. (Red with white collar.) Each, 35c; 6 for \$1.70.

Pompon or Bouquet Type

Amber Queen. (Clear amber, shaded apricot.)

Allewine. (Lavender-pink.)

Belle of Springfield. (Bright rich red.)

Catherine. (Fine pure yellow.)

Darkest of All. (Maroon, almost black.)

Snowclad. (Pure white on long stems.)

Dozen, \$2.50; mixed or each variety.



Collerette Type

Seed is from the best varieties mentioned in our dahlia list.

Packet of 50 seeds, \$1.00; 100 seeds, \$1.50.

DAHLIA SEED

Have Your Own Varieties

Dahlia seed if planted early (indoors in boxes and transplanted outdoors in June) will bloom the same season. If the season is a long one they will bloom also if planted outdoors. Every growth from seed is practically a new variety.



Are all Irises alike? This is "Zua" (Crawford, 1914). Compare it with the old ones in your garden!

IRISES

CULTURE—Irises can be planted almost any month of the year except when the ground is thoroughly frozen although W. E. Fryer, an expert, insists that he has planted every month of the yearly period and has secured good results. The ideal time, of course, is in early Autumn when the plants have time to become established by the following Spring. It is well known that Irises are about the most hardy of all plants if we except our old enemies, the weeds. Cultural differences for the separate species are explained under the different classifications.

(Numerals to the right of names refer to rating of American Iris Society; originator and date are shown in brackets.)

RECENT INTRODUCTIONS

Anne Bullen. (Hort 1922.) S, exceptionally large bluish-lavender; F, deep purple with heavy brown reticulations extending full length of the bright orange beard. Tall and well-branched. \$15.

PINETUM

Cecile Minturn. (Farr, 1922.) S and F, solid and uniform shade of soft cattleya-rose. Light beard. Flowers are exceptionally large and domed-shape. 24 in. \$5.

Mildred Presby. (Farr, 1923.) S, white, flushed pale rosy-lavender; F, rich dark velvety pansy-violet with narrow edge of lavender-white. An improved "Dalila." 30 in., \$5.00.

Canopus. (Bliss, 1921.) S, reddish-violet; F, rich pansy-violet with heavy reticulations; base of petals stained olive and speckled purplish-brown. This is one of the famous Dominion race and is generally described as an improved Alcazar. It is an extra large variety. \$25.

Seminole. (Farr 1920.) S, dark violet-rose; F, rich, velvety crimson with a brilliant orange beard. Color and form effect is superb. Awarded certificate of merit by American Iris Society. 18 to 24 in., \$1.00.

DWARF BEARDED IRIS (Pumila)

(These bloom early in April and some varieties continue blooming into June. They are desirable for edging in beds and borders and especially in rock gardens. They thrive in dry places and can stand partial shade and like lime.)

Alba. S. Cream and F, deeper cream, nearly yellow, with slight tint of bronze. Two blooms to each stalk. Flower stalk 10-15 inches; plant 4 to 6 inches. 25 cents each. \$1.50 for 12. \$3 per 100.

Atroviolacea. Deep violet-purple and a very prolific bloomer. 25 cents each. \$1.50 for 12. \$3 per 100.

Mixture of the above, \$2.50 per 100.

Florida. S, Citron-yellow spotted with bronze; good foliage, 4-5 inches; flowers 8-10 inches. 35 cents each; \$3 for 10.

Schneekuppee (Snowtop) White, with yellow netting at base of the falls; large flowers. Price on request.

INTERMEDIATE IRIS

(Size and time of blooming is between the dwarf and tall bearded.)

Florentina. Ger. Creamy-white, faintly flushed lavender. Fragrant; excellent cut-flower. 25 cents each. \$2 for 12.

Helge. Lemon-yellow with pearly shading; a popular variety and of considerable merit. 25 cents each. \$2 for 12.

Kochii. Ger. S and F, rich claret-purple and the best among all varieties for massed color effect. Also desirable as a self color variety. Priced here to encourage mass planting. 25 cents each, \$1.50 for 12 or \$7 per 100.

Rose Unique. S and F, bright violet-rose, the only color of this kind among early flowering. 25 cents each; \$2 for 10.

Walballa. S, lavender; F, wine-red. 25 cents each; \$1.50 for 10.

BEARDED OR GERMAN IRISES

(Only irises with a rating of more than 7.0 are included in this list.)

8.6 **Afterglow.** (Sturt. 1918.) Pall. Soft pink or buff-gray, shading to a rich yellow through the center. A large flower. 36 in. \$2.

7.9 **Albert Victor.** (1885.) Pall. S, soft blue; F, beautiful lavender; large and fine. 40 in. 30 cents each, \$2 for 10.

8.9 **Alcazar.** (Vilm. 1910.) S, light bluish violet. F, deep brilliant purple, with bronze-veined throat. Strong, tall-branching stems, carrying enormous flowers, make it one of the most distinct and striking varieties. 60 cents each, \$5 for 10.

<p>PINETUM \$1.50 IRIS SPECIAL—Six different irises, six different colors—not rated above 7.0 but worth-while just the same (12 in all).</p>

Pinetum

9.4 Ambassadeur. (Vilm. 1920.) S, a fascinating smoky velvety purple color; F, velvety purple-maroon; beards and style yellow. A magnificent and regal flower of great substance. 48 in. \$2.50.

9.2 Asia. (Yeld 1920.) S, pale lavender, suffused and reticulated yellow at the base; F, light violet-purple, paler at the edges, heavily reticulated at the haft with a bright yellow beard. Exceedingly strong and tall grower. Considered one of the most glorious Irises in cultivation. 48 to 52 in. \$15.

7.4 Aurea. (Jac. 1830.) Var. S and F, rich chrome-yellow; large flowers of perfect form. The best standard pure yellow. 24 in. 35 cents each, \$2.50 for 10.

7.5 Caprice. (Vilm. 1904.) Sq. S, rosy claret; F, darker; head yellow. Handsome. 24 in. 25 cents each, \$2 for 10.

7.8 Clematis. (Bliss 1917.) S and F, clear violet, with variable veining at the base. Strong-growing, free-flowering, and fragrant. Well named, as all six segments of the flower reflex horizontally, forming a flower the shape of a six-petaled clematis or Japanese Iris. 30 in. \$2.

8.0 Dalila. (Denjé 1914.) S, pale flesh-white; F, rich red-purple, with a yellow beard. Very distinct and striking. 24 in. \$1 each, \$8 for 10.

7.8 Dawn. (Yeld 1911.) A beautiful sulphur-yellow, veined bronze at the throat; beard orange. 24 in. \$1 each, \$7.50 for 10.

7.3 Her Majesty. (Perry 1903.) A splendid pallida at a nominal price. S, highly effective rose-pink; F, same color but veined slightly darker. One of the real pinks among irises. 25 cents, 12 for \$2.50. \$15 per 100.

7.1 Innocenza. (Lemon 1854.) Pure white with slight reticulations on throat; yellow beard. This is a very beautiful white and just as good as some of the high-price varieties. 25 cents each; \$2.50 for 12 or \$12 per 100.

7.9 Iris King. (G. & K. 1907.) Var. S, clear lemon-yellow; F, rich maroon, bordered yellow. A beautiful new Iris obtained by crossing Macri King with I. pallida, combining the brilliant colors of the former, with the large flowers and tall growth of the latter. 25 cents each, \$2.50 for 10.

8.6 Isoline. (Vilm. 1904.) S, silvery rose, flushed bronze; F, mauve, shot with gold, crowned with a golden yellow crest. One of the most charming Irises in cultivation. Stout stems, bearing many large flowers of large texture. Highly recommended. 30 in. 75 cents each, \$6 for 10.

8.0 Jacquesiana. (Lemon 1840.) Sq. S, bright coppery crimson; F, rich maroon. One of the best and most distinct; should be in every collection. 35 cents each, \$2.50 for 10.

8.1 Juniata. (Farr. 1909.) Pall, S and F, clear, deep blue; large fragrant flowers. One of the tallest among bearded irises; foliage long and drooping. 50 cents each.

8.4 Kashmir White. (Fos. 1913.) A beautiful white hybrid, the flower-stems rising to a height of 4 feet, each carrying six very large, pure white flowers. \$1.75.

8.3 La Neige. (Verd. 1912.) A fine pure white variety, with flowers of great substance and distinctive form. 24 in. \$1.00.

9.6 Lent A Williamson. (Wmsn. 1918.) S, bright lobelia-blue, shot fawn at the base; F, rich velvety purple, suffused blue at the edge; bright golden yellow beard. Gigantic flowers, freely produced on tall, strong stems. Pronounced by English growers to be in the class with Mr. Bliss' Dominion race, and the best seedling produced in America. 40 in. \$2.00.

PINETUM \$2.50 IRIS SPECIAL—Six different irises, rated above 7.0, six different colors, our selection (12 in all).

9.1 Lord of June. (Yeld 1911.) S, pale lavender-blue; F, deep aniline-blue. Massive flowers of perfect form. A strong grower. One of the finest Irises in cultivation. \$1.50.

8.8 Pallida Dalmatica. (1600.) Pall. Syn. Princess Beatrice 9.5. S and F, clear lavender-blue, shading to pale silvery blue at the base. Very large, spreading flowers; sweetly scented. This is much confused with other Pallida types, which have been widely distributed under this name. The true Dalmatica, which is scarce, can be easily distinguished by its form and light silvery shading at the base of the petals and its unusually heavy glaucous foliage. 40 in. 35 cents each, \$2.50 for 10, \$20 per 100.

8.3 Prosper Laugier. (Verd. 1914.) Sq. S, light bronze-red; F, velvety ruby-purple; orange beard. 35 cents each, \$2.50 for 10, \$20 per 100.

7.4 Queen of May. (Salter 1859.) Pall. S and F, lovely soft rose-lilac, almost pink. 32 in. 25 cents each, \$2 for 12, \$10 per 100.

8.4 Rhein Nixe. (G. & K. 1910.) S, pure white; F, deep violet-blue, with a white edge. Always greatly admired. 50 cents each, \$4 for 10.

9.3 Souvenir De Mme. Gaudichau. (Millet 1914.) A rich, deep velvety purple Iris of fine shape and finish. Tall, early, and very distinct. One of the most striking and remarkable of all Flag Irises. 42 in. \$5.

8.3 White Knight. (Saunders 1916.) A beautiful, absolutely snow-white Iris of fine form, sweetly scented. The reticulation at the base of petals is so slight that it cannot be noticed unless they are pulled apart. Similar in habit and form to the rare variety, Black Prince, with which it forms a striking contrast. 18 in. 25 cents each, \$2 for 10.

7.5 Zua. (Crawford 1914.) S and F, delicate lavender-white, crumpled and ruffled like fine crêpe. Flowers large and fragrant; very unique and beautiful. \$1.50.

BEARDLESS IRIS

(Crested, sibirica, spuria, pseudo-acorus, tectorum, versicolor, tolmeiana, etc. All but tectorum prefer a fairly moist location and pseudo-acorus and versicolor (native flag lily) can stand water levels all year round. All of these varieties with exception of the spurias and tolmeianas object to lime.)

PSEUDO-ACORUS

Yellow Water Flag. A good yellow and greatly desirable for landscape work embracing pools and stream effects. Grows well in dry soil also.

Alba. White, type, same as above. 24 inches.

Bastardi. Beautiful, soft, clear primrose. 36 inches.

Variegata. Rich yellow with striking effect of highly variegated foliage in spring.

All the above 25 cents each; \$2.00 for 12.

SIBERICA (Also Orientalis)

(With native Versicolor the latest to bloom (July and August) they should be desirable both from this fact and also that they are water-loving. Foliage is tall, almost grass-like and bloom is superb for cut-flower effect.)

Blue King. (Orientalis.) Clear, blue flowers; large flowers of excellent substance. 25 cents each; \$2.00 for 12.

George Wallace. (Sibirica.) A superior blue. 25 cents; \$2.00 for 12.

VERSCOLOR (Native, U. S. A.)

Columnae. Brilliant, velvety purple; 24 inch. 50 cents each; \$3 for 12.

Fosteri. S, lilac; F, violet; marked yellow and white. 28 inch. 25 cents each; \$1.50 for 12.

Kermesina. Claret-red, marked white. 24 inch. 50 cents each.

Virginica. Good blue; blooms in July and August. 25 cents each; \$1.50 for 12.



TECTORUM (Roof Iris)

Perry's Blue. (Sibirica.) Large flowers of clear blue with horizontal falls. Considered the best Siberian iris. Scarce, \$2.50 each.

Snow Queen. (Sibirica.) Pure, glistening white with yellow throat, tall stalk, large flowers of a spreading habit. Highly desirable because of its fine qualities and its moderate price. 25 cents each; \$2.00 for 10. \$10 per 100.

MONSPUR

Lord Wolsley. Color a rich lavender, overlaid with crimson. Has general habits of the Siberian specie but with still narrower leaves. Really a hybrid, probably with tolmeiana. Very late. 50 cents each.

SPURIA GROUP

Dorothea K. Williamson. (Williamson, 1918.) A hybrid iris originated in this country and of considerable success. Brilliant velvety purple, the flower when opened being almost flat, foliage strong, tall, narrow and yellowish-green. \$3.00 each.

Mrs. Tait. (Longipetala superba.) Soft porcelin blue, long blue falls with golden blotch at base of petals; a free bloomer and very hardy. 25 cents each. 10 for \$2.00.

JAPANESE IRIS (Iris Kaempferi)

(This specie has become rather scarce in this country; names of varieties are also greatly confused. This list is small but the best varieties have been selected.)

Gold Bound. Double or six-petaled. Large flowers on tall stem of frosty white with large gold-banded center. Very effective for landscape work. 30 cents. \$2.50 for 12.

Azure. Double, lavender-pink blue with darker halo surrounding yellow blotch at base of petals. 60 cents. \$5.00 for 12.

Kamata. Three-petaled of a deep sky-blue shade, veined white. 60 cents. \$5.00 for 12.

Norma. Double. Silky lavender-pink with clear blue disc and yellow spot at base of petals. Very large flowers. 60 cents. \$5.00 for 12.

Pink Progress. Same color as "Norma" only single. 50 cents. \$5.00 for 12.

Kumono-No-Sora. (Cloudy Sky.) Single. Immense, frosty-white, crinkled petals with sky-blue halo surrounding the yellow blotch at throat. Very beautiful. 50 cents each. \$5.00 for 12.

Morning Mists. About the best of the singles. It is a larger "Kumono-No-Soro" petals often measuring 12 inches across. \$1.00 each.

IRIS COLOR CLASSIFICATION

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Blue to Lavender:
Pallida Dalmatica
Lent A. Williamson
Juniata 2. Lavender to Purple:
Kochii (claret)
Queen of May (lilac)
Caprice (light claret)
Her Majesty (pink)
Rose Unique (rose) 3. Yellows:
Aurea (chrome) | <ol style="list-style-type: none"> Helge (lemon)
Dawn (sulphur) 4. White:
Innocenza (pure)
Florentina (creamy)
Le Neige (pure)
Kashmir White (pure)
White Knight (snow) 5. Bronze and Yellow:
Iris King
Jacquesiana
Prosper Laugier |
|--|--|
- See page 34 for Bulbous Iris.)

Iris Bloom Cycle. (Approximate period in Northern U. S. A.) Reticulate, March; Pumilia, April-May; Intermediate German (May-June); Susiana (May); Verna-Cristata (May); German (June); Spanish and English (June-July); Japanese (late June-July); Siberica (July-August). Foetissima (Gladwyn) ever-green.



I. Reticula Cyanea



HARDY GARDEN LILIES

Canadense. (Meadow Lily.) Yellow flowers spotted red; of graceful drooping habit. 2 to 5 feet. Each 25 cents; Dozen, \$1.50.

Golden-Rayed Lily. (Auratum.) Pure white, freely marked with crimson spots and with clear, golden band through center of each petal. Four feet. Stem rooting. Large bulbs, 50 cents; Dozen, \$5.00.

Henryi. (Yellow speciosum.) Rich apricot-yellow, spotted brown. Vigorous and easiest to grow. Height, generally 6 feet. August-September. Stem rooting. Each, 75 cents; Dozen, \$6.50.

Regal Lily. (Lilium Myriophyllum.) White; slightly suffused pink with yellow center. One of the most reliable and vigorous. Three to four feet. Good foliage. July. Each, 75c. Dozen, \$7.50.

Speciosum. (Lancifolium.) Probably the most popular in this country among the older varieties. Hardy and of free growth with good branching habits. Fragrant. Height, 3 to 4 feet. Bloom from August to frost.

a. **Var. Album.** Pure white. Each, 50 cents; Doz., \$5.00.

b. **Var. Magnificum.** White, spotted and clouded and bordered deep pinkish-crimson. Each, 75 cents; Dozen, \$6.50.

c. **Var. Rubrum.** White, shaded and spotted rosy-crimson. Each, 50 cents; Dozen, \$5.00.

Tiger Lily. (Lilium tigrinum.) Orange, spotted black. Hardy and native in some parts of this country. Height, 3 to 5 feet. Stem rooting. August and September. Each 25 cents; Dozen, \$2.00. Double, same price.

REGAL LILIES. We unhesitatingly recommend regal lilies as the most hardy and probably the most beautiful. They will undoubtedly become the leading American lily. A good supply can be assured through the purchase of small bulbs and seeds.

No. 1 (scarce) 75c.; \$7.50 per 12. No. 2 (3 inch) 60c.; \$6.00 for 12; No. 3 (2 inch) 50c.; \$5.00 for 12.

Prices on Nos. 4, 5 and 6 on request.

SEEDS. \$3.00 per 1,000 or \$2.00 for 500. Packets, 40c.; 3 for 80c.



PINETUM ROSES

Only field-grown, grafted-root stock has been included in this list. Too many failures with roses are due to the purchase of own-root plants and greenhouse plants. The following varieties are among the hardiest in the rose family.

American Legion. H.T. Highly effective crimson; strong grower. \$1.00 each; 5 for \$3.00.

Betty. H.T. Coppery rose, overspread with golden yellow; extra large bloom, full, globular and very fragrant. \$1 each.

Caroline Testout. HT. Bright, satiny-rose, brighter center; large, full, globular flowers; a very popular variety. \$1.00 each; 5 for \$3.00.

Crusader. HT. Rich, velvety crimson. \$1.00 each; 5 for \$4.00.

Etoile de France. HT. Red, soft, velvety crimson shading to vivid cerise. A leader in its color. \$1 each.

General MacArthur. H.T. An American origination of undoubted superiority. Velvety scarlet shading to lively crimson. \$1 each.

Gruss an Tepitz. Rich scarlet, shading to velvety crimson; loose bloom. Fragrant. Constant and free bloomer. Good for special rose hedge. 75 cents each; 5 for \$2.50; 12 for \$5.00.

Golden Ophelia. Bright golden yellow; sturdy, stiff stems with beautiful foliage, closely set and glossy. Seeding of Ophelia. \$1.50 each; 5 for \$5.00.

Hadley. HT. Very fragrant, rich crimson shading to deep velvety crimson. Good garden variety. \$1.00 each.

Lady Alice Stanley. H.T. Deep Coral-rose on outside, pale flesh on the inside; an effective color blend. Considered one of the best. \$1 each.

Lady Ursula. H.T. Almost self flesh-pink. Valuable because it is about the most dependable. \$1 each.

Madame Butterfly. HT. An improved Ophelia. Color greatly intensified. Color effect, harmonious blending of bright pink, apricot and gold. \$1.50 each; 5 for \$5.00.

Ophelia. HT. Delicate tint of salmon-flesh, shaded rose. Erect, long, stiff stems. The popular florists' cut-flower. \$1.00 each; 5 for \$3.00.

Premier. T. Deep rose, fragrant and thornless. Also supreme with florists. \$1.00 each; 5 for \$3.00.

CLIMBING ROSES

American Pillar. Large flowers of clear pink and yellow stamens. Strong growth. 75 cents each. \$6 for 10.

Dorothy Perkins. The ever popular pink climber. Each bush will make at least 20 feet of growth per season; invaluable for covering objects or sides of dwellings. 75 cents each. \$5 for 10.

Paul's Scarlet Climber. This is peerless in its color among pillar roses. Will not show the pronounced climbing habits, however, of Dorothy Perkins. 75 cents each; \$7 for 10.

PINETUM \$3.50 ROSE SPECIAL—Comprising 4 leaders, Betty (coppery-rose); Gen. Mac Arthur (Scarlet); Lady Alice Stanley (Deep coral-rose); Lady Ursula (Flesh-pink). Betty, Etoile de France or Frau Karl Druschki can be substituted for any one of the above.

MONTBRETIA or TRITONIA

FORMERLY A PROMINENT member of grandmother's garden, montbretias have been allowed to "run out." In the intervening years they have been developed in Europe to a degree of perfection that should surprise those who remember these most brilliant of all brilliantly colored flowers. In England under the name of tritonias they are probably more popular than gladioli of which they are a "first cousin." They are also more hardy than gladioli and can be left in the ground over winter. These bulbs (about the size of a No. 3 gladiolus) can be planted in the autumn, in February or March or even later for late-period blooming. Average bloom is about 100 days.

The Montbretia vogue in Europe appears to be spreading to this country and we predict considerable popularity for this flower during the next few years. We offer the largest selection in this country.

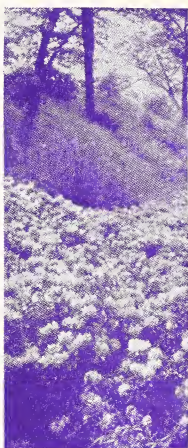
	1	10	100
Bouquet Parfait.* A good vermillion..	.15	1.00	\$6.00
Crocusmaeflora. Rich orange-yellow			
California. Deep golden yellow, rounded petals .....	.15	1.00	6.00
tinged with red. 24 in. Late.....	.15	1.00	6.00
Etoile de Feu. Graceful, soft vermillion, orange throat. Height, 24 in.....	.20	1.50	10.00
Fire King. Large, vivid scarlet and one of the most brilliant reds among any flower. ....	.15	1.25	7.00
King Edmund. Orange-yellow, brown markings; flowers 2 inches across; good specimen of montbretia.....	.15	1.25	7.00
George Davidson. Very early and reliable pale orange-yellow; very desirous..	.20	1.25	8.00
Germania. Orange-red, dark red throat	.15	1.00	10.00
Hereward.* Good yellow, shading to orange on the outside.....	.30	2.00	15.00
Lady Hamilton.* Attractive apricot-yellow .....	.15	1.00	6.00
Lord Nelson.* A deep orange scarlet..	.15	1.00	6.00
Macropila. Prolific bloomer, 3 and 4 spikes to each bulb. Red, blended with yellow .....	.15	1.00	8.00
Meteor. Orange with red tips on outside. Earliest .....	.15	1.00	7.00
Pageant.* (New). Orange-yellow blending to dark shades	1.00	6.00	60.00
Potsii.* Red, small flowers.....	.15	1.00	8.00
Pitsii Grandiflora.* Red and yellow...	.15	1.00	8.00
Prometheus. Large flowers of orange-yellow; one of the best.....	.20	1.50	8.00
Rheingold. Large, star-shaped flowers of golden yellow .....	.20	1.50	14.00
Rayon d'Or.* Good, effective orange....	.15	1.00	10.00
Star of Fire. Vermillion, yellow center, exterior of petals blood-red.....	.25	1.50	10.00
Speciosa. Orange-red, yellow throat. Fine form; very prolific.....	.20	1.50	10.00
Solfatara. Pure yellow, small flowers suggesting freesia. Foliage bluish-brown. Height 14 in. ....	.20	1.50	10.00
St. Botolph.* Very large flowers of pure yellow; distinct from other 'bretias of same color .....	.30	2.00	20.00
Vesuvius.* Dark red.....	.15	1.00	5.00
Westwick. Orange-scarlet; yellow center .....	.15	1.25	7.00

*Stock on these very scarce; delivery not guaranteed.

CANNAS (Dormant Roots Only)

	each	doz.	100
American Beauty, translucent cerise .....	.25	\$3.00	\$20.00
Apricot, buff-yellow base with salmon pink tint .....	.25	2.50	15.00
President, good red, 4 ft.....	.25	1.50	10.00
King Humbert, bright orange-scarlet streaked with crimson .....	.25	1.25	9.00

Complete list on application.



P I N E T U M Flowering S H R U B S

This is a selected list in
which special low prices
are offered on orders
of 100 on each
variety



Dogwood (*Cornus sanguinea*). This is the popular European red osier. Flowers white, fruit black. Bark is a vivid scarlet throughout the winter and the upright red

branches make a wonderfully effective grouping with evergreen. Each (2 to 3 ft.) 50 cents; 10 at \$3.50; 100 at \$20.00.

Buddleia Magnifica (Butterfly bush.) This is the popular summer lilac bush. Flowers, true lilac color; bloom from late June until frost. Price (2-3 feet), 50 cents; 10 at \$4.00.

Deutzia. (Heavily flowered shrubs of low and medium height.)

A. **Crenato**. Double white flowers except for a few showing rosy purple on outside of petals. Each (2 to 3 feet), 50 cents; 10 at \$3.50; 100 at \$20.00.

B. **Pride of Rochester**. Tall, flowers tinted with pink. Each (6-12 in.), 50 cents; 10 at \$3.50.

Forsythia. (Golden Bell.) About the first to bloom in Spring following the pussy-willows.

A. **Viridissima**. Deep yellow flowers. Each (18-24 in.), 50 cents; 10 at \$3.50; 100 at \$18.00.

Hydrangea. Valuable for landscape work where late Summer work is required.

a. **Arborescens grandiflora** (Hills of Snow). White flowers; will grow in semi-shade. 18-24 inch.

b. **Paniculata**. (Single-flowered). Tall shrubs, August bloom. 2-3 feet.

c. **Paniculata Grandiflora**. (Fall hydrangea). Large balls of double white flowers turning to reds in the Autumn. 2-3 feet.

Prices, 60 cents each; 6 at \$3.00.

Lilac (*Syringa*). The old-fashioned shrub beloved for its fragrance and color in early Spring.

Purple (2-3 feet); White (2-3 feet). Price, \$1.00 each; 5 at \$4.00.

Philadelphus. (Mock Orange.) Tall, large, fragrant, white bloom.

A. **Coronarius**. Very fragrant.

Each (2 to 3 ft.), 50 cents. 10 at \$3.50; 100 at \$18.00.

Spirea. Somewhat like deutzias, the spireas have tiny, forget-me-like flowers, either white or cerise. Van Houttei or "Bridal Wreath" is a good example. Bloom period, Spring to Mid-Summer.

A. **Bumaldi**, var. **Anthony Waterer**. Medium height rose-pink flowers.

Each (18-24 in.), \$1.00; 10 at \$4.00; 100 at \$30.00.

B. **Van Houttei**. (Bridal Wreath.) Mass of white flowers in May.

Each (8-15 in.), 50 cents; 10 at \$3.50; 100 at \$35.00.

Weigelia Rosea (Pink Weigelia.) A large shrub growing to height of 6 feet with pink, bell-shaped flowers in May and June. Price (2-3 feet.) 75 cents; 10 at \$5.00.

Complete list of 100 varieties will be furnished on request.

The Gay and Glorious Gladiolus



Justly entitled to supremacy because it provides all-season bloom. Iris and roses for the garden and landscape work; dahlias for the early Autumn but gladioli for the house and especially the dinner-table. Recommended here for large group planting.

Comments and critical judgment in most instances (in the following pages) have been based upon careful tests and examination by Fred R. Jones and Walter L. Kietzman during the past two seasons made, chiefly, in Long Island fields.

At least 400 of a variety has been considered to be an essential in determining habits, growth and combined results. Exhibition displays have been viewed for the purpose of examining new varieties and for color results; otherwise prizes at shows have been considered of relatively little importance because the tests are not broad enough to mean very much. Both authors invite further correspondence and will be pleased to make new tests and examinations.



GLADIOLI—CLASSIFICATION

THE AMERICAN GLADIOLUS Society in 1923 appointed a Classification Committee to work out a method by which standards could be established; it reported at the annual meeting in 1924 and the results are shown in the following point basis:

(This work should be continued based upon further consideration and investigation. A separate point basis for hybrid primulinus in our opinion, should be established.)

Exhibition—Commercial—Landscape

a. Flower			
Color	15	10	5
Surface Texture	7	5	..
Size	10	6	5
Form	5	4	..
Effectiveness en masse.....	..	5	10
	37	30	20
b. Field Points			
Foliage	3	3	..
Vigor	4	4	..
Productiveness	3	3	..
Bulb Production .....	..	3	..
Earliness .....	..	5	..
Precocity.. .....	..	2	..
	10	20	..
c. Spike			
Length stem	5	5	..
Florescence	10	5	..
Number open	10	10	..
Facing of Blooms	8	8	..
Spacing of Blooms	5	4	..
Harmony	10	3	..
Keeping Quality	5	10	..
Attachment of floret to stem.....	..	5	..
	53	50	..
Combined total	100	100	see *

* The 60 additional points in landscape or garden scale classification are as follows: Florescence—main-spike, 5; laterals, 5; spikes per bulb, 5. Length of blooming period, 10; ability of stem to support bloom, 15; resistance to wind 6; bud resistance to wilting and burning, 2; bloom resistance to wilting and burning, 4; bloom resistance to fading in sunlight, 2; bloom resistance to fading and spotting in rain, 3; bloom resistance to mutilation by wind, 5; bulb production, 3.

NOTE: We consider this landscape point basis as rather poor. Height and vigor of foliage is the most important; this is the work of future hybridization. Ideal height in a good landscape gladiolus should be not more than 28 inches and foliage as strong as that of iris. See "Helga" and "Glory of Kennemerland" varieties.

The Exhibition Scale

The A. G. S. committee explains its ratings and points as follows: (those on commercial and landscape standards are omitted here.)

Color is a matter left primarily to the discretion of the judges. However, it should be pleasing and clear; strong penalties should be given for muddiness, in most cases flaking and unharmonious color combinations.

Surface texture of the bloom determines the warmth, life, sheen, and apparent depth of color. Penalize for absence of texture as shown by some varieties having cold, hard, shallow color effects.

Size. Full count for 6 in. (maximum diameter.) Measurement must be taken from tip to tip of petals without distortion, straighten tips of reflex petals, bloom shall not be stretched. Score according to the following scale:

6 in. or over....10 pts.	4 in. or over....6 pts.
5½ in. or over.... 9 pts.	3½ in. or over....4 pts.
5 in. or over.... 8 pts.	3 in. or over....2 pts.
4½ in. or over.... 7 pts.	

Form. Full count for well expanded blooms of most any shape. Penalize for tubular flowers, or decided hooding, slight hooding may or may not be a defect, also for lack of uniformity as to arrangement of petals or for extreme looseness where unattractive. Penalize accordingly.

Keeping Quality. This is the ability to stand a warm room without drooping, a reasonable amount of handling without breaking or blemishing, as well as its lasting quality. Keeping quality is best determined by observation over a period of days, but is to a certain extent indicated by the thickness, firmness and toughness of the petals.

Spike. This term includes the stem, flowers, and buds taken as a whole.

Length of Stem is considered to be that portion of the stem below the first flower as ordinarily cut without harmful effect on bulb production. This should be slightly longer than the remaining flower head.

Score—

5 for.....24 in. or more	2 for.....14 in.
4 for.....20 in.	1 for.....12 in.
3 for.....17 in.	

Florescence is the total number of blooms and buds on the main spike. Score—

10 for.....20 or more	6 for.....14
9 for.....18	5 for.....13
8 for.....16	4 for.....12
7 for.....15	2 for.....11

Number open. Score scale for the number of unwilted blooms, open or partly open at one time—

10 for.....10 or more	6 for..... 6
9 for..... 9	5 for..... 5
8 for..... 8	3 for..... 4
7 for..... 7	1 for..... 3

Facing of Blooms is the position of the flowers in relation to the stem and to each other. They should face nearly straight out from the stem and if in two rows, the angle between not greater than 90 deg. Penalize for facing upward, downward, opposite, spiral or irregular. Where flowers turn in toward each other to form single row not as desirable.

Spacing of Bloom refers to the placement of blooms on the stem, whether crowded or placed farther apart. Ideal spacing depends on size and character of flowers and stem. Penalize where flowers crowd each other. Slight overlapping sometimes permissible. In most instances penalize where large open spaces occur between the flowers.

Harmony of the spike is produced through proper relation of the stem to the flowers. The stem must be suitable for the type and arrangement of the flowers it supports. It may be large or slender, straight or willowy, or even curved if in harmony with the flowers. Penalize according to its lack of fitness.

Field Points are to be awarded after field trials in official test plots and based on report by official in charge.

Foliage. For full count foliage should be plentiful, good breadth and height with healthy color.

Vigor is indicated by prompt growth after planting, strong plants, bloom production and sound healthy bulbs.

Productiveness is determined by the increase through division, cormel production and percentage of their germination under normal conditions.

A STANDARDIZED COLOR SCHEME

IN OUR GLADIOLI WORK we use Ridgeway's chart and the Munsell Color System but what is more requisite is a standardized basis that will provide descriptions that are obvious and free of a rather extravagant use of adjectives.

This we have found in the Color Card of the Textile Color Card Association. It is worked out on the basis of the chemical mixtures of the different colors. This system is simple and is indicated by four figures as follows:

- | | |
|--------------|--------------------|
| 1. White | 1. Lightest |
| 2. Red | 2. Second lightest |
| 3. Orange | 3. Light |
| 4. Yellow | 4. Medium light |
| 5. Green | 5. Medium |
| 6. Blue | 6. Medium dark |
| 7. Violet | 7. Dark |
| 8. Grey | 8. Second darkest |
| 9. Black | 9. Darkest |
| 0. No change | |

The first, second and third figures indicate the relative proportion of the component parts of a color; the fourth figure indicates strength of the color designated by the first three figures.

For instance turquoise is designated as follows: 6153. That is, blue (6) is the basic color; white (1) is the strongest blend; green (5) is a secondary blend and the shade is light green.

"Anna Eberius," generally described as a purple and by Ridgeway as rhodamine purple, is definitely designated as 7206. Violet, red, no added blend and medium dark. The exact color effect is a medium shade of fuchsia with a cardinal-red-purple blotch (not numbered).

However, this is not the actual value of this system. It is the fact that by going into any store where silks or high-grade textiles are sold that No. 7206 will match the color of "Anna Eberius"—providing, of course, that the light used for comparison is the same.

Not only this but these numbers can be cabled to Europe or the Far East and the color ordered can be duplicated without even a shade variation.

In this gladiolus list numbers will be used where the color is out of the ordinary and where we think previous descriptions have been indefinite; otherwise color descriptions without the use of these key numbers will be based upon the use of this standardized method minus the use of the actual numbers.

We will be pleased to give the four key numbers on any variety not designated in that way in this list.

THE 6 MOST POPULAR GLADIOLI

During the past two seasons the 6 most popular gladioli have been the following: **Anna Eberius**, a most effective cardinal-red-purple or medium shade of fuchsia (practically a self-color); **Alice Tiplady**, (prim. hybrid) orange saffron shading to a bronze effect under artificial light and the earliest to bloom and the most prolific bloomer and increaser; **Louise**, a good lavender-pink (medium shade) with a heavy blood-red or maroon blotch in throat giving a good orchid effect (it stood the test with higher price varieties such as Mrs. F. Peters, Capt. Boynton, Costa Rica, Sweet Lavender); **Maiden's Blush**, good clear pink of considerable delicacy and an early bloomer because it is a prim. hybrid; **Souvenir**, another prim. hybrid but a self-golden color; **Crimson Glow**, the supreme largest scarlet. 5½ inches across.

A collection of 6 bulbs (No. 1 size) 36 in all at \$3.50. 12 bulbs of each (72 total) at \$6.00.

NEW INTRODUCTIONS 1924-1925

Columbine. (F. R. Jones.) Tall, rakish spike carrying flowers of a three-color effect; petals reddish towards edges with primrose yellow towards throat and brick-red on exterior; all three colors true primrose. Primulinus hybrid.

Helena. (F. R. Jones.) Same shade as Anna Eberius but spike is not so good, a desirable substitute where Eberius is not available.

Isolda. (Kietzman.) Light salmon pink, slightly tinged with purple and shading towards a purple edge. Very attractive and odd color scheme. Strong, well built spikes with 12 or more florets, many open. Excellent for cut flowers or exhibition.

Joerg's White. (Joerg.) This was the sensation of the combined New York Horticultural Society and American Gladiolus Society annual show last August. Large flowers on very tall spike with flowers about 5½ inches across. Color, snow-white; five of the six petals show no other color but the sixth and lower lower one carries a creamy-yellow in throat with light crimson pencilling.

Marina. (Kietzman.) Salmon pink tending towards cream in center. No markings. Has about 12 florets with 4 to 5 open at a time. The spikes are tall and graceful and apparently has primulinus blood. The florets are of good size, however, and wide open.

Perdita. (Kietzman.) A beautiful red slightly tinged with lavender, especially on the upper petals. Tall spike having 15 florets with from 7 to 8 open. Extra fine and a worth while addition to any collection.

INTRODUCTIONS 1923-1924

Ali. (Velthuys.) A lavender-blue inside or facing with darker shade on exterior of petals. Strong spike with full, wide-open flowers. Desirable commercial variety and has made a good record in the field for its first season in this country.

Captain Fryatt. (Grullemans.) A Holland rival to the domestic varieties, Princeps, Principine, etc., conspicuous for their vivid scarlet colors. Full, open bloom with form of amaryllis. Foliage excellent.

Cowee's Scarlet Wonder. (Groff.) Splendid, full scarlet bloom on tall spikes. About one shade lighter than "Crimson Glow" with a little more character but not the same velvet texture.

Duchesse of Yorke. (Holland.) This variety won the Haarlem (Holland) medal three years ago and has since held its supremacy as a real, dark blue possessing all the gracefulness of the Lemoine type; it is a seedling of "Baron Hulot." The spike is extra tall and the florets well placed. "Veilchenblau" has been heralded as the supreme blue but it is more correctly a light violet. (70-80. See illustration.)

PINETUM GLADIOLI COLLECTION DE LUXE.

Six No. 1 size **Pink Wonder** (light lavender-pink, yellow shading at base, overlaid, rose feathering, glistening surface, bloom more than 6 inches across); 6 **Duchesse of Yorke** (the new real dark blue); 6 **La Couronne** (greenish-yellow, blotched and stippled scarlet, unique color effect); **Vesta Tilly** (beautiful clear pink with violet throat blotch); total of 24 bulbs, \$6.50. Without "La Couronne" and "Vesta Tilly," \$3.00.

Corri. (Velthuys.) Bluish-purple exterior, inside lighter shade; lower petals carry blotch of creamy-white with reddish-purple edging. Brighter shade than "All" but not so well tinted.

General Petain. (Hopman.) Vivid salmon-red; extra large flowers. Has strong, wide foliage and may be a valuable landscape variety. Medium height. 90-105.

La Beaute. (Holland.) This is a new white that has created considerable comment; it is quite late in blooming and might be desirable to follow "L'Immaculee" or other earlier whites. 90-100.

Mary Jefferson. (F. R. Jones.) Gigantic bloom of bright red-orange with bronze color effect. Bloom large on tall spike; a sort of super-Alice Tiplady. Named after a little lady that had a great deal to do with the history of this country. Stock still scarce.

Orange Queen. (Holland.) Striking copper orange color; may be more desirable than "Alice Tiplady" because this is a color that stands up very well under artificial light. Prolific and easy grower.

Red Star. (Holland.) A good velvet-red, strong spike. Not grown to blooming size in this country so far but is very popular in Holland.

Ruffolace. (Kemp.) Pure white, flowers about 4 inches across. Edges finely lacinated. The best of this new type.

Valuta. (Jonker.) Blue-purplish-rub-red with exceptionally solid velvet texture; blue-purple stamens. A most distinctive variety and made up with asparagus plumosa for ferns it makes the most effective bouquet we have ever seen. 70-80.

Veilchenblau. (Hopman.) A good, light violet.

Vesta Tilly. (Krelage.) Lively, vivid pink with small violet blotch in throat; very effective color combination. Early and prolific. Winner of First Class Certificate, Haarlem, 1922. Should make a very good cut-flower variety. 60-65.

White City (Jonkeer). A gigantic white suggesting an Easter lily. In the field it presents a highly impressive sight. Could be used by florists as a substitute for lilies; it certainly would grow much more easily.

Gladioli Seed and Seedlings

GENE STRATTON PORTER has said that "there are few joys in the world equal to the joy of the garden" and we know of no other pleasure in gardening equal to that which comes from growing gladioli from seed.

No matter how many seedlings are raised, no two of them will be alike. Many may be inferior, some will be good, and some will undoubtedly be better than any existing variety. The joy of anticipation and watching each new flower open for the first time, knowing that you are the first to see it—the pleasure of naming this new flower—the joy of creation—these and many others, are the profits derived from this intensely interesting line of work.

During the past few years, we have grown thousands of seedlings and for the first time, we are this year offering hand-pollenized seed and unbloomed seedling bulbs. The larger size bulbs will in the majority of cases, bloom the first year. These bulbs will save the grower from one to three or more years in bringing the seedlings to blooming size.

	Each	Per 10	Per 100
Hand pollenized seed			\$ 1.50
Unbloomed Seedlings			
Small bulbs	\$.20	\$1.50	12.00
Large bulbs .....	.30	2.50	20.00

GLADIOLI

In the following descriptions, in addition to the use of the Textile Color Card system, time required to determine date of blooming is shown by use of two numbers; 60 will mean 60 days from time bulbs are planted. Where two sets like 60-70 are used this means that the lowest number is the time during the more favorable period of 1923 and the second two figures the actual period in the unfavorable season of 1924.

These bloom periods, however, are based entirely upon records secured in Long Island fields; that is, light, sandy-soil.

(Do not compare the color descriptions herein with color illustrations found in the different gladiolus catalogues, they are quite different.)

RED VARIETIES

Cowee's Scarlet Wonder. (See page 23.)

Cracker Jack (Groff). Good dark red, throat blotch speckled yellow with green edging. Lemoine type. Should remain popular despite its low price. 85.

Crimson Glow (Betscher). Bright, vivid scarlet with pronounced velvet texture, tall spike with flowers of an average width of 5½ inches across. Undoubtedly the best red in existence and still the leading prize winner in its class. Does not streak in rainy or windy weather. 70.

Diana (National ?). Somewhat similar to Crimson Glow, a good red with enough primulinus blood to make it very graceful and effective. It is probably the second best red (next to Crimson Glow) but does not compete with that variety because of marked differences.

Dominion—(See Red Emperor).

Gov. Hanley (Kunderd). Cardinal red, deeper throat. 65-75.

Groff's Majestic. (See Cowee's Scarlet Wonder.)

Harvard (Lemoine). Also known as "George Paul" and "Faust." Dark cardinal-red; darker cardinal-red stripes; throat light yellow. 70-75.

J. M. Coulter. (Diener.) Vivid red, darker throat. Tall spike and vigorous grower. 69-79.

Mrs. G. W. Moulton (Kunderd). Light ruby-red blending to cherry, with light yellow and blood-red throat. General effect superb. (2077). 60-65.

Mrs. Francis King (Coblentz). Jasper red, lower petals darker; throat lighter. 75-85.

Princeps (Van Fleet). Glowing scarlet with white blotch on amaryllis-shaped flowers. Old but a very desirable variety. 85-95.

Principle (Kirchoff). Seedling of Princeps. Smaller flowers but more of them and spike taller. 75-85.

Red Cloud (Kunderd). Brilliant red white bar on 3 lower petals.

Red Canna (Holland?) Dark, rich red, very tall spike and graceful. Base lower petals streaked white, 85-95.

Red Emperor (Vos). An inferior Crimson Glow; color about the same but without velvet texture of the latter and flowers are not nearly so large. 80-85.

Scarlet Princeps (Kunderd). Vivid scarlet, deeper in throat. Massive arrangement of flowers. 85-95.

War (Groff). Crimson, somewhat same shade as Crimson Glow but flowers streak whitish in the rain.

Willis E. Fryer (Kunderd). Dark, cardinal red with yellow blotch. Large flowers and spike.

RUBY-RED VELVET TEXTURE

Best Violet (Unknown). Light ruby-red, "Baron Hulot" blotch; medium velvet texture. Poor spike. 68-78.

Goliath (Unknown). Deep wine color, velvety texture (7285). 60-70.

<p>\$1 PRIMULINUS HYBRID SPECIAL. Twenty No. 1 size; yellow, orange, bronze, rose and apricot colors. Earliest to bloom and graceful spikes.</p>

Master Weitze (Velthuys). Effective blood-red purplish color with thin yellow stripes and solid, velvety texture. A great favorite in the fields but the spikes are too thin to make it a good cut-flower because it will not absorb much water. (7285). 70-80.

Purple Glory (Kunderd). Ruby-red with good velvet texture, edges of flowers heavily ruffled; throat the same as Cracker Jack. This is in the same class as Goliath, Weitze, and Valuta as regards ruby-red velvety texture although greatly inferior to Valuta on this basis. 70-75.

Valuta (Jonkeer). Ruby-red with strong suggestion throughout of blue-purple; blue-purple stamens. Texture is a very solid velvet surface with the blue-purplished effect continued. With asparagus plumosa foliage this is one of the most effective bouquets we have ever seen in gladioli. 85-95.

RED-PURPLE OR FUCHIA

Anna Eberius. (Diener.) The shade of this variety is conspicuously distinctive; a good self-color of reddish-purple or medium fuchsia with deeper shade of dark cardinal in throat. The color is majestic and the bloom an aristocratic note in any floral arrangement. Bloom is large and spike straight and vigorous. With yellows or asparagus plumosa it makes a most beautiful floral piece. Shade will come lighter in light soils and may streak a little at the edges. 70-80.

Henry Ford (Diener). Diener's successful attempt to better the size and substance of the majestic "Anna Eberius." Rather high in price at present.

BLUE-GRAY VARIETIES

Ali (Velthuys). See page 23.

Blue Jay (Groff). So-called blue. Pansy blotch.

Catherina (Velthuys). Lavender shading deeper at tips of petals. Purple blotch on lower petals. Flowers well spaced.

Conspicuous (Dames). Grayish-blue, yellow butterfly blotch.

Corri (Velthuys). Blue-purple blotched creamy white

Geraldine Farrar (Diener). Clear, deep sky-blue, darker spot on lower petals. Large flowers and spike. With reddish-purple insert on lower petals.

Mr. Mark (Velthuys). So-called blue with butterfly yellow-purple throat that is a bad blend. 85-95.

Nora (Velthuys). Grayish lavender, lighter throat, purple stripe, lower petals. 65-75.

BLUE (Dark)

Duchesse of Yorke. (See page 23).

BLUE-REDDISH

Baron J. Hulot (Lemoine). Reddish blue-purple: an actual indigo color and the only color of this kind among gladioli. Will always remain popular because of this fact. 60-65.

SALMON AND BUFF

Loveliness (Van Konijnenberg). Salmon-buff effect.

Early Sunrise (Velthuys). A very large, vivid salmon; also one of the earliest. 55-65.

J. A. Carbone (Diener). Orange-salmon, deeper edges, yellow center. Very large and one of the Diener's high-price originations. We have not tested it save in bulblets.

Jack London (Diener). Reddish-salmon, flaked dark salmon; white stripes 3 upper petals.

Odin (Heemskerk). Deep salmon-rose, broad red stripe on lower petals. A Halley-Prince of Wales type.

ORANGE-RED COLORS

Pride of Lancaster (Kunderd). Brilliant orange-salmon; fiery deeper orange throat. Tall spike, massive bloom. Ruffled.

Scarlane (Kunderd.) Positive shade of vivid orange-red. Much better than Orange Glory in our opinion. 55-65.

Mrs. W. E. Fryer (Kunderd) Large, showy, orange-scarlet, slightly ruffled; very effective and one of the best.

Orange Glory (Kunderd) Peach-red, suffused scarlet; throat blotched carmine; white stripes lower pet-

als. This is a borrowed description. This variety, grown by us for the first time last season and from No. 1 bulbs, failed to bloom. This is the first time we had this experience with any other gladiolus. We make this statement without prejudice and will continue the experiment this year.

PASTEL COLORS

Mrs. Cothran (Diener). Ashes of rose effect. Odd but highly effective color effect. 80-80. (2165).

Desdemone (Vilmorin). Ash-rose, striped lilac; large red blotch, edged ivory-white. Very tall spike with many flowers in bloom at same time.

Mrs. William Kent (Diener). Light fawn to light ashes of roses; old rose throat. Delicate color effect.

Prince of India. (Childs.) Color varies from light to dark smoky-gray, petals zoned and banded freely with dark slaty-blue mottled with white.

Rose Ash (Metzner-Diener). Corinthian red blending to ashes of rose. Pastel shade throughout.

BLOTCHED OR VARIEGATED

Mrs. Leon Douglas (Diener.) Begonia-rose, stippled flame scarlet; lip, pale lemon slightly speckled ruby. The largest of the Diener varieties and the third most vigorous gladiolus variety, the others being Glory von Kennemerland and Golden Measure. 80-90.

Purple Spot (Kunderd). Violet red with large blotch of deep red-purple, edged yellow. The blotch is the most perfect we have seen on any variegated blotched variety. 85-95.

See also under Blue-Grey.

PINK VARIETIES.

America (Banning). Pale pink, large flowers and spike when under good cultivation. Most stock in existence shows results that place this variety in the "has beens." Some day it may be revived. 70.

E. J. Shaylor (Kunderd). A finely ruffled variety of a solid rose-pink. 63-73.

Evelyn Kirtland (Austin). Vivid pink somewhat similar to Pink Perfection. Lower petals carry brilliant scarlet blotch. Spikes are extra high and strong, flowers well spaced. Not a leader by any means but a superior pink just the same. 85-90.

Frank J. Symmes (Diener). Salmon-pink, lower petals darker. Ruffled dainty and very effective. 70-80.

Giant Myrtle. (Kunderd.) Probably Kunderd's best achievement; large, soft delicate pink blending to white towards the center. Somewhat difficult to grow and only recommended for the dilettante.

Glory of Kennemerland (Velthuys). The strongest glad and probably the most vital pink in existence. Blotch is whitish at edges, light yellow next with blood-red blotch. Flowers large and effect is vivid pink despite this blotch. Spikes medium making this an ideal gladiolus for landscape work. Stock in this country is comparatively large so that the price is somewhat lower than it should be. 65-70.

Gretchen Zang (Austin). Pink, scarlet-red blotch. 90-95.

Halley (Velthuys). Geranium pink to darker shade. 60-65.

Kunderdii Glory. (Kunderd.) Creamy apricot with light tint of pink; thin red markings on lower petals. Kunderd's first ruffled but now somewhat out of date.

Le Marechal Foch (Van Deursen). Pale pink, small old rose stripe on lower petals, otherwise a good self-color. Stock is generally inferior. 60-70.

Marshall Foch (Kunderd). Vivid pink with blood-red throat, shape of flowers wide and spreading. A prize winner and deservedly so. 88-90.

Mona Lisa. (Kunderd.) Soft shell-pink of waxy substance. Ruffled. Vigorous grower.

PINETUM GLADIOLI BY COLORS. (Reds, pink and rose). 100 No. 1 size, \$6.00; 25 at \$2.00. (White) 100 at \$5.00. 25 at \$1.75. (Blue and blue-grays) 100 at \$7.00; 25 at \$2. (Reds, separate) 100 at \$4.00; 25 at \$1.25. (Yellows) 100 at \$5.00; 25 at \$1.75.

Pinetum

Mrs. Frank Pendleton (Kunderd). Tall, spike pinkish flowers with blood-red blotch; very early. This variety degenerates very quickly and it is only worth while under good cultivation, otherwise color changes to streaky white. Early. 60-65.

Mrs. Dr. Norton (Kunderd). Light pinkish-lavender effect; flesh white, primrose-yellow blotch and bright red stripe on throat. Flowers star-shaped. Very popular florists' variety. Advisable for large planting for cut flower supply. 70-75.

Mrs. H. E. Bothin (Diener). Suggests Mrs. Pendleton but color blotch is somewhat lighter in shade and general effect is white-pinkish. Flowers are smaller than Pendleton and probably much more effective. 70-80.

Pink Wonder (Kemp). The supreme exhibition gladiolus in our opinion. Glistening white, flushed rose-pink, faintly flaked rose; throat faint purple on light citron-yellow ground. The color blend is nearly perfect; the flowers, however, will show 6 inches across even grown in the field which certainly would entitle it to a superior position. It is sometimes compared with "Mrs. Dr. Norton" but while the color of the latter is somewhat suggestive of the former (barring the primrose-yellow blotch which jars) the form of "Mrs. Dr. Norton" is entirely different, fairly small bloom but star-pointed. 75-80.

Pride of Goshen (Kunderd). Salmon-pink. Ruffled.

Pink Perfection (Hopman). Vivid pink of La France shade or apple-blossom effect. Spike is poor and flowers poorly spaced but this is overcome when they are in full bloom when the result is an unusually heavily-flowered spike. 75-85.

Richard Diener (Diener). Pink with cream throat. Flower spacing poor. 85-95.

Rose 1910 (Kunderd). Pure rose-pink, narrow penciling of white on mid rib of lower petals. Very early and among the most popular varieties in cut-flower trade. 60-65.

Pink Beauty (Von Thol). Rose-red, pale pink throat. This variety has been tolerated by the trade on the impression that it was the earliest to bloom; it is very poor and should have been discarded before it was ever disseminated. 60-65.

Prince of Wales (Kelway). Strawberry pink shading to pale pink throat with faint scarlet blotch, lower petals. Strong spikes. Somewhat similar to Jack London. Not always free from disease. 60-65.

Roem von Kennemerland. See Glory of Kennemerland.

W. H. Phipps (Diener). Flesh-pink overlaid with light salmon-rose. Small ruby stripe on lip of lower petals. Large flowers.

Wilbrink. (Hopman.) Pale, vivid pink. Purple blotch. Early. 60-65.

Rose Glory (Kunderd). Rose-pink shading to deeper rose in throat.

Panama (Banning). Lavender-pink. Almost self-color. Good if grown right. 75-80.

Diener's American Beauty (Diener). American beauty rose color with fairly bright yellow throat suggesting white. Not a good color combination in our opinion.

Thomas T. Kent (Diener). Coral-pink overlaid strawberry. 78-88.

LAVENDER-PINK

Byron L. Smith (Kunderd). Light lavender-pink on white; very effective, but this is a hybrid with bad habit of sometimes failing to renew itself. 75-85.

Capt. Boynton (Boynton). Light lavender, purplish-red spot. Large flowers. Prize winner as best of the lavender-pinks. New.

Costa Rica. (Diener.) Very beautiful but too much like "Louise." 70.

Louise (Wright). One of the best and certainly the most popular pink-lavenders generally referred to as orchid color. Is one shade stronger than "B. L. Smith" and "Capt. Boynton" in most soils. Blood-red or garnet blotch in throat. Strong spikes that must be supported if grown shallow. 75-85.



DUCHESS OF YORKE
(A New and Real Dark Blue)
See page 23).



JOERG'S WHITE—See page 23.

Herada (Austin). A medium lavender pink generally described as mauve. Light fuchsia is a better description; a very effective color. (7203). 68-72.

Jacoba Von Beijeren (Heemskerk). A super Herada; very effective and a variety that should assume considerable prominence, commercially and in private gardens.

Mrs. Frederick C. Peters (Fischer). Medium to light shade of lavender-pink, blotched crimson on lower petals. Tall spike and very graceful effect. 70-80.

Mary Fennell (Kunderd). Light lavender-pink with primrose yellow throat. Very effective. 70-80.

Muriel (Pfitzer). Grayish-lavender with plum-color blotch. Spikes tall but flower spacing is not the best. Otherwise a beautiful flower. (7161). 70-80.

Scarsdale (Cowee). Very poor second edition to Herada.

Sweet Lavender. (Coleman.) Very much like "Louise." The name is attractive but like "Costa Rica" is too much like "Louise" to add to any large collection and certainly not for a florist who has "Louise."

WHITE VARIETIES

(New gladiolus growers, at least, look for considerable color in the varieties they select. The more experienced grower, or the real connoisseur, sees more, probably, in the so-called whites. In this instance shades, form and combined effect is more important than in the instances of other colors. Of the 22 varieties listed here practically all of them are distinctively different.)

Augusta (Hallock). White, flushed light purple; an old variety but still worth while. 85-95.

Albania (Kemp). Good spike, solid white with only a faint suggestion of pink. Spacing is compact. In exhibitions it stands up as a superior white, second only to "Europa"—the latter, however, is rather difficult to grow properly so that "Albania" has precedence. "Joerg's White," a new variety, of an entirely different character, largeness in spike and bloom. Better than Kemp's "White Wonder." 95-110.

Bertrex (Austin). White slightly tinted pink. 75-85.

Carmen Sylva (Hoeg). A very dainty white with lilac stripe. Inclined towards mugginess if not grown properly. 85-95.

Caroline Burke (Diener). Good white with violet feathering. 71-81.

Early Snowflake (Kemp). White with pinkish featherings and slight yellow in throat. Has primulinus blood. 75-80.

Elora (Burbank). White, slightly flushed pink, lower petals have carmine blotch on sulphur background. Very popular with "the ladies." 80-90.

Europa (Pfitzer). Pure white of waxy substance, all flowers compactly on spike giving a wonderfully pleasing result. Under ordinary cultivation, however, it grows a fairly small spike. 90-95.

Fern Kyle. (Kunderd.) Large flowers of creamy white. Highly ruffled. This variety, however, has the habit of off-bloom in different seasons when it looks like an ordinary white prim.

Imperator (Heemskerk.) Heralded as the new super white, reports show that it has been a big disappointment in this country. We have not grown it; it may do better later on under continued cultivation in this country.

Ivory (Holland). Pure, ivory white, petals large and very pointed, making it pronouncedly distinctive. Tall spikes. A very good grower, new.

Joerg's White—See elsewhere, this catalogue.

L'Immaculee (Unknown). Small, waxy-white flowers on fair-size spike. Popular but not an easy grower. 90-95.

Lena Graetz (Graetz). Graceful white with pinkish featherings suggesting primulinus types. This is a new variety in this country and should become very popular. 65-75.

Lilywhite (Kunderd.) White, slightly tinted ivory; good forcer. 60-65.

Marie Kunderd (Kunderd). White, faint pink line of lower petals. Large flowers and one of Kunderd's best.

Mary Pickford (Kunderd). Creamy white with light yellow in throat. Color effect is not good, too muggy. Has prim. blood and a graceful spike for that reason. 60-70.

Maine (Vos). White, lavender feathering. 80-90.

Peace (Groff). The old standard white; tall and of good substance with tyrian-rose blotch in throat. Rather late. 90-110.

White Giant (Von Meerbeek). Large white.

White Wonder (Kemp). White with considerable pink. Too late for most gardens. Desirable for florists, however. 95-110.

PINETUM \$5 PRIM. HYBRID SPECIAL, 125, selected, first size bulbs; practically all the colors comprised in these varieties, including Alice Tiplady (orange), Maiden's Blush (Medium pink) and Souvenir (Golden Yellow). One of our most satisfactory mixtures.

YELLOW VARIETIES

Flora. (Velthuys.) A good golden-yellow with almost the vigor of "Golden Measure" and probably just as good under poor to medium cultivation; the second best yellow in our opinion. 69-80.

Gold. (Hoeg.) Golden yellow, throat deeper shade, slightly dotted. Not tested. Considered the best yellow, next to "Golden Measure." 85.

Golden Measure. (Kelway.) Pure, golden-yellow, majestic in its proportions and suggesting the vigor of a pine tree. That is, when well grown; otherwise it may pass into the "Schwaben" class. Has enough prim blood to provide just the right balance of daintiness. Leading prize winner throughout Europe and this country. 69-79.

Isaac Buchanan. (Childs.) Good yellow of dwarf habit; desirable for bedding.

La Couronne. (Lemoine.) Creamy-yellow, lower petals shading to deep yellow; blotched and stippled, brilliant scarlet. Bud is greenish and this green tinge holds throughout the full bloom; a somewhat aristocratic color effect.

Mary Starns Burke. (Diener.) Canary-yellow overlaid apricot. Popular. The same color effect can be secured with low-price prim. hybrids and duplicated by "Soleil D'Or."

Niagara. (Banning.) Medium yellow, carmine stripes. Poor spike and should be discarded. 65-75.

Pola Negri. (Diener.) A ruffled variety, light apricot with clear yellow tip.

Schwaben. (Pfitzer.) Strong, solid yellow with red-dish-purple stripes. Under careful cultivation spike and flower are rather good but otherwise it is so poor that it belongs to the elected discarded class: it makes a bulb that is wretched in appearance and one "forcing" ends its career. With us we burn the bulbs even after one period of bloom in the fields. 85-95.

Sunbeam. (Vaughan.) Really a prim.; self-yellow; rather ordinary.

Souvenir. Prim., see Hybrid "primulinus."

Yellow Hammer. (Gruleelmans.) Creamy-yellow; relegated to the rear by another Holland yellow prim. "Souvenir."

PRIMULINUS (Hybrids)

(A cross with other species, chiefly *gandavensis*: the result in this type is a much more graceful spike and flowers with colors running more to primrose shades; in most instances, yellows, oranges, orange-reds and whites. It is a much earlier bloomer than the *gandavensis* or even the Lemoine types. The larger, more majestic type, is to be found in the late-summer bloomers, *gandavensis*, *nanceianus*, etc.

Date of bloom on most prim. hybrids is 55 to 65 days.

Amy Belle. (Spencer.) A good yellow prim. It has not been tested by us. 55-65.

Alice Tiplady (Kunderd). A most popular variety both with florists and individual growers. Color an orange-saffron, shading to lighter primrose orange and with a bronze effect under artificial light. It blooms with us in 48 days making it the earliest bloomer we know of.

Altair (Kunderd). A cinnamon-salmon color effect; thin chocolate stripes on all petals. Flower spacing is unique and this variety affords many opportunities for original cut-flower effect.

Arlon (Kunderd). Shape similar to "Alice Tiplady"; color effect is light salmon with red throat.

PINETUM LOST LABEL MIXTURE. This consists of No. 1 size gladioli bulbs that have become mixed in the fields or storage cellars; high-price varieties are just as apt to be found in them as are the lower price ones. It is generally a "wise" purchase.
100 at \$4.00; 12 at 75 cents. (50 at 100 Rate).



LA COURONNE (Lemoine). See page 32.

Buttercup. (Kemp.) Nankeen-yellow, graceful and a good prim.

Butterfly (Kunderd). Light salmon with red stripes. Also has the Tiplady form.

Butterboy (Kunderd). A tall, very graceful, solid, golden-yellow; the best yellow Kunderd has produced. Spacing is distinctive and it blends very effectively with either other primis. or non-prim varieties.

Dorothy Wheeler (Kunderd). A good shade of pink but with the Tiplady form. Used by some florists as a superior "Maiden's Blush."

Golden Butterfly (Kunderd). Canary yellow, lower petals deeper shade. Wide open flowers.

Golden Gleam (Kunderd). Light orange shade somewhat suggestive of Tiplady.

Gold Drop (Kunderd). Solid yellow with thin red stripe on lower petals ruffled.

Ida Van (Kunderd). Vivid reddish-salmon.

Jewell (Zeestraton). Apricot-yellow, canary throat. Very tall spike, large flowers and of excellent substance.

Helga (Kunderd). This is a conspicuous primulinus variety with iris-shaped foliage. Color is a salmon-red with throat blotch of white and yellow, inlaid garnet. Spikes are not overtall but of splendid strength for a prim. Recommended for landscape work.

Maiden's Blush (Grulleman). This is a most dainty self-pink with a faint crimson blotch on purplish-yellow background. The color effect is pink, however. It is grown rather largely by most of the best florists.

Myra. (Kunderd.) Deep salmon on yellow background. Giant flowers and very popular.

Myrtle. (Kunderd.) Rose-pink; very effective and a good grower.

Orange Brilliant (Cave). Brilliant orange with tall spikes.

Orange Queen (Holland). Coppery-orange. A new origination and a prize winner in Holland.

Prim. Beauty (Christy). Light reddish-salmon; and petals faintly speckled darker reddish-salmon shade; light yellow blotch.

Salmon Beauty (Kunderd). Deep salmon and rich salmon-yellow throat. A most effective color result.

Soleil d'Or. (Kemp.) Canary-yellow blending to salmon-pink with apricot color, center of petals. Color effect is about the same as Diener's "Mary Stearns Burke."

Souvenir (Jonkeer). Golden-yellow, tall spikes. Flower spacing and spike effect is distinctive and it is the new leader with the best florists. It does not compete with "Butterboy" because it is entirely different as regards form of spike and bloom.

BULBOUS IRIS

Listed below are in the form of "bulbs" or corms and have habits somewhat similar to the gladiolus. They are likely to become very popular in this country as they now are in other parts of the world.

Topaz (Kunderd). Salmon-pink and buff. Very tall spikes. This is about the best propagator (increase in bulblets) we have ever grown. Tiplady will probably show more larger-size bulbs, however.

SPANISH IRIS

	Per 10	Per 100
British Queen. Pure white, good cut flower		
Belle Chinoise. Deep yellow.....	\$1.00	\$8.00
Louise. Superior pale blue.....	1.00	8.00

DUTCH IRIS

Frans Hals. Pale primrose, standards blue	\$1.50	\$9.00
Rembrandt. Deep blue, orange blotch popular florist variety.....	1.50	9.00

ENGLISH IRIS

Mont Blane. Good white.....	\$1.50	\$10.00
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NOTE: Orders for Spanish, English and Dutch Iris will be accepted only for August and September delivery. Delivery will not be guaranteed then except on actual orders. Next season's crop (nearly all there is in this country) was half sold before the issuance of this catalogue.

GLADIOLI---Index and Prices

As gladioli should be used for an all-season cut-flower supply we have arranged the following prices to provide the most attractive prices when purchased in amounts of 50 to 100 of each variety.

No order for less than \$2.50 will be accepted on prices quoted in this list. Price is also determined by the actual amount stated.

Variety	PRICES					Page
	1	10	20	50	100	
America	\$.05	\$.40	\$.75	\$ 2.00	\$ 3.00	27
Albania .....	.30	.75	2.25	4.00	20.00	31
Ali .....	.15	1.25	2.25	4.50	7.50	23
Altair .....	.10	.75	1.25	3.00	5.50	32
Alice Tiplady...	.10	.50	1.25	3.00	5.50	32
Amer. Beauty(D)	.40	3.00	5.00	8.00	15.00	28
Amy Belle	—	.75				
Anna Eberius ..	.25	2.00	3.50	7.00	10.00	25
Arlon .....	.10	.75	1.25	3.00	5.50	32
Augusta .....	.05	.50	1.50	3.00	5.00	31
B. L. Smith....	.25	2.00	3.50	7.00	10.00	28
Baron J. Hulot.	.10	1.00	1.50	3.00	5.50	26
Best Violet.....	.10	1.00	1.50	3.00	5.50	25
Bertrex .....	.10	.75	1.25	2.50	4.00	31
Blue Jay.....	.15	1.50	2.75	4.00	7.00	26
Butterboy .....	.50	3.00	5.00	10.00	18.00	34
Buttercup .....	.10	.75	1.25	2.50	4.00	34
Butterfly .....	.10	.75	1.25	3.00	5.50	34
C. F. Burke....	.25	2.00	3.50	7.00	10.00	31
Capt. Fryatt ...	.25	2.25	4.00	8.00	15.00	23
Capt. Boynton ..	.75	5.00	9.00	18.00	35.00	28
Carmen Sylva ..	.25	1.50	3.00	5.00	9.00	31
Catharina .....	.25	2.25	4.00	8.00	15.00	26
Columbine .....	.15	1.25	2.00	4.00	7.00	23
Conspicuous ....	.10	.75	1.25	2.50	4.50	26
Corri .....	.15	1.25	2.00	4.00	7.00	24
Cowee's Scarlet..	.50	4.25	8.00	16.00	25.00	25
Crimson Glow...	.20	1.50	2.75	5.00	10.00	25
Cracker Jack ...	.10	.50	.75	1.50	3.00	25
Costa Rica .....	.15	1.25	2.50	4.50	8.00	28
Desdemone .....	.50	3.50	6.00	10.00	18.00	27
Diana .....	.50	3.50	6.00	10.00	18.00	25
Dorothy Wheeler	.10	1.25	2.00	3.50	6.00	34
Duchess of Yorke	.40	3.50	6.50	13.00	22.00	23
Early Sunrise ..	.15	1.25	2.00	4.00	7.00	26
Elf						22
Early Snowflake	.10	1.50	3.00	5.00	9.00	31
Europa .....	.10	1.00	1.75	3.50	6.00	31
E. J. Shaylor..	.10	1.00	1.50	3.00	5.00	27
Elora .....	.25	2.00	3.50	7.00	12.00	31
Evelyn Kirtland	.10	1.00	2.00	3.50	6.00	27
Flora .....	.15	1.25	2.00	3.00	5.50	32
F. J. Symmes...	.25	2.00	3.50	5.50	10.00	27
Fern Kyle	2.50	....	....	....	....	31
Gold Drop .....	.15	1.25	2.00	4.00	7.00	34
Gov. Hanley ...	.15	1.25	2.00	3.50	6.00	25
Groff's Majestic—	See Cowee's Scarlet Wonder.					
General Petain .	.25	1.25	2.00	4.00	7.00	24
Geraldine Farrar	9.00	....	....	....	....	26
Giant Myrtle ..	2.00	....	....	....	....	27
Glory Von Ken.	.10	1.00	1.50	3.00	5.00	27
Golden Butterfly	.10	1.00	1.50	3.00	5.50	34
Golden Gleam ..	.10	1.00	1.50	3.00	5.50	34
Golden Measure..	.25	2.00	3.50	5.50	9.00	32
Goliath .....	.10	1.00	1.50	3.00	5.50	25
Gold .....	.40	3.00	6.00	10.00	18.00	32
Gretchen Zang..	.10	1.00	1.50	3.00	5.00	27
Harvard .....	.10	.75	1.25	2.00	3.50	25
Helga .....	.15	1.25	2.00	4.00	7.00	34
Henry Ford	2.50					25
Halley .....	.10	.75	1.00	2.00	4.00	27
Helena .....	.25	1.00	1.50	3.00	5.00	23
Herada .....	.10	1.00	1.50	3.00	5.00	30
Ivory .....	.25	2.00	3.50	7.00	14.00	31
Isaac Buchanan.	.10	1.00	1.50	3.00	5.00	32
Ida Van .....	.10	.75	1.00	2.25	4.25	34
Imperator	1.00	8.00	.25	....	....	31
J. A. Carbone..	5.00	50.00	....	....	....	26
J. M. Coulter....	.25	2.25	4.00	8.00	15.00	25
Jack London....	.10	1.00	1.50	3.00	5.50	26

GLADIOLI—INDEX AND PRICES (Continued)

Variety	PRICES					Page
	1	10	20	50	100	
Jacoba von Bei..	.50	4.50	8.00	15.00	20.00	30
Jewell .....	.50	4.00	8.00	15.00	20.00	34
Joerg's White ..	5.00	....	....	....	....	23
Kunderdii Glory	.10	.75	1.25	2.00	3.00	27
La Beaute	1.00	8.00	16.00	25.00	40.00	24
La Couronne ...	.35	2.50	5.00	....	....	32
Le Mare Foch...	.10	.50	1.00	2.00	4.00	27
Lena Graetz ....	.10	1.00	1.50	4.00	6.50	31
Lilywhite .....	.10	1.00	1.50	3.00	5.00	31
Louise .....	.25	2.00	4.00	6.00	10.00	28
L'Immaculee ...	.10	1.00	2.00	4.00	8.00	31
Loveliness .....	.10	1.00	2.00	4.00	7.00	26
Masterpiece	1.00	....	....	....	....	24
Marshall Foch ..	.25	1.75	3.00	6.00	10.00	27
Mary Jefferson..	50.00	....	....	....	....	24
Mary Pickford..	.15	1.25	2.50	5.00	8.00	31
Maiden's Blush..	.10	.75	1.50	3.00	5.00	34
Maine .....	.50	4.00	7.50	14.50	25.00	31
Marie Kunderd..	1.00	7.00	14.00	25.00	42.00	31
Mrs. F. King...	.10	.75	1.50	3.00	5.00	25
Mrs. F. Peters...	.75	7.00	14.00	25.00	40.00	30
Mrs. Douglas ...	1.50	10.00	20.00	40.00	75.00	27
Mrs. Wm. Kent..	.15	1.25	2.25	4.00	7.00	27
Mrs. Dr. Norton	.10	1.00	1.75	2.50	5.00	28
Mrs. F. Pendelton	.10	.75	1.25	2.00	4.00	28
Mrs. Bothin ....	.25	2.00	3.50	7.00	13.00	28
Mrs. Moulton...	.10	1.00	1.50	3.00	6.00	25
Mrs. Cothran ..	.25	2.00	3.50	7.00	14.00	27
Master Weitze ..	.10	1.00	1.50	3.00	6.00	26
Muriel .....	.25	2.00	3.50	6.00	12.00	30
Mary S. Burke..	.25	2.00	3.50	5.00	8.00	32
Mary Fennell ...	.10	1.00	1.50	3.00	5.00	30
Mona Lisa .....	.10	2.00	3.50	7.00	12.00	27
Mr. Mark .....	.10	1.00	1.50	3.00	5.00	26
Mrs. W. E. Fryer	.10	.75	1.50	3.00	5.00	26
Myrtle .....	.10	1.00	1.50	3.00	5.00	34
Myra .....	.10	.75	1.25	3.00	5.50	24
Niagara .....	.10	1.00	1.50	3.00	5.00	32
Nora .....	.10	1.00	1.50	3.00	5.00	26
Odin .....	.15	1.25	2.00	4.00	8.00	26
Orange Queen...	1.00	8.00	....	....	....	34
Orange Glory ...	.15	1.50	3.00	6.00	10.00	27
Orange Brilliant.	.15	1.25	2.00	4.00	7.00	34
Panama .....	.10	1.00	1.50	3.00	5.00	28
Peace .....	.10	.50	.75	1.50	2.75	31
Pink Wonder...	.25	2.00	3.50	7.00	12.00	28
Pink Perfection..	.10	1.00	1.50	3.00	5.00	28
Pola Negri .....	.25	2.00	3.75	7.00	12.00	31
Prim. Beauty ...	.20	1.50	2.50	4.75	8.00	34
Pride of Goshen.	.10	.75	11.25	2.00	3.75	28
Pride Lancast. .	.25	2.00	3.75	7.00	12.00	26
Prince of India..	1.00	9.00	15.00	30.00	50.00	27
Prince of Wales.	.10	.75	1.25	2.00	4.00	28
Pink Beauty ....	.10	.75	1.25	2.00	3.75	28
Princeps .....	.10	1.00	1.75	3.25	5.50	25
Principine .....	.15	1.25	2.00	4.00	7.00	25
Purple Glory ...	.25	2.00	3.50	6.50	11.00	26
Purple Spot ....	.25	2.00	3.50	7.00	12.00	27
Red Emperor ...	.15	1.25	2.00	4.00	7.00	25
Red Cloud						25
Red Canna .....	.10	.75	1.25	2.00	5.00	25
Red Star	1.00	9.00	....			24
Rosalia .....	.50	3.50	6.00	10.00	18.00	
Rose Glory .....	.15	1.25	2.00	4.00	7.00	28
Rose Ash .....	.50	4.00	7.00	12.00	20.00	27
Rose 1910 .....	.10	.75	1.25	2.00	3.75	28
Ruffolace.....	100.00	....	....	....	....	24
Richard Diener..	1.00	9.00	15.00	30.00	50.00	28
Salmon Beauty ..	.15	1.25	2.00	4.00	7.00	34
Scarlano .....	.10	.75	1.25	2.50	4.50	26
Scarlet Princeps..	.15	1.25				25
Scarlet Wonder—See Cowee's Scarlet Wonder.						
Schwaben .....	.10	.50	.75	1.50	2.75	30
Soleil D'Or .....	.10	.75	1.25	2.50	4.00	34
Scarsdale .....	.05	.45	.80	1.50	2.75	32
Souvenir .....	.20	1.50	2.50	5.00	8.00	24
Sunbeam .....	.10	1.00	1.75	3.50	6.00	32
Sweetheart .....	.25	1.50	2.50	5.00	8.00	31

GLADIOLI—INDEX AND PRICES (Continued)

Sweet Lavender..	.15	1.25	2.00	4.00	7.00	30
T. T. Kent .....	.25	2.00	3.50	6.00	10.00	28
Topaz .....	.20	1.50	2.50	5.00	8.00	34
Vesta Tilley ...	.25	1.50	2.50	5.00	8.00	24
Valuta .....	.25	1.50	2.50	5.00	8.00	24
Veilchenblau....	5.00	40.00				24
War .....	.10	.75	1.50	3.00	5.00	25
W. H. Phipps...	5.00	....	....	....	....	28
Wilbrink .....	.10	.75	1.50	3.00	5.00	28
White City .....	.15	1.25	2.00	4.00	7.00	24
White Wonder .	.15	1.25	2.00	4.00	7.00	31
White Giant ....	.25	2.00	3.50	6.00	10.00	31
W. E. Fryer ....	.10	.75	1.25	2.00	3.50	25
Yellow Hammer.	.10	.75	1.25	2.50	4.75	32

FOR YOUR PROTECTION—Sizes of Gladiolus Bulbs. The sizes of gladioli listed in this catalogue are No. 1 (1½ inch up). There are 6 sizes as follows:

1	2	3	4	5	6
1½ up	1¼-1½	1-1¼	¾-1	½-¾	⅜-½

True bulblets or cormlets carry a heavy covering and are distinct from bulbs or corms irrespective of size.

In prim. hybrids, No. 1 size, our bulbs will average 2 inches and upwards.

The only exceptions in bulb sizes are the few Le-moine types (Cracker Jack, Baron Hulot, Harvard, etc., which will be a half to a quarter-inch less in No. 1.)

Prices—based on sizes as follows:

(If price on No. 1 is \$50 per 1,000:

1	2	3	4	5	6
\$50	\$45	\$40	\$35	\$30	\$20

That is, 10 per cent less on each smaller size with exception of No. 6 when it is about 30 per cent. less.

In nearly all instances varieties quoted in No. 1 size will be sold according to this schedule. Bulblets will be sold (in most instances) at 10 per cent of the price of No. 6.

Some dealers compete on prices by delivering Nos. 2 and 3 sizes which, of course, is unfair to the dealer quoting No. 1 and misrepresentation to the buyer. Only Nos. 1 and 2 can be depended upon for bloom although No. 3 in prim. hybrids will do so if grown in fairly good soil and about 90 days as against 48 to 60 days in Nos. 1 and even 2. In the gandavensis types only No. 1 size can be depended upon to bloom even under the most favorable conditions.

Day Lilies (Hemerocallis)

Some of these varieties are native to this country and are highly recommended.

Flava. This is the lemon lily of old fashioned gardens, clear pale yellow and very sweet scented. June-July.

Fulva. Orange Lily, large flowers of a tawny orange, tall and strong growing.

Kwanso. A form of the Orange Lily with double reddish flowers.

Minor. Resembles a small form of dumortieri and the smaller flowers are very attractive.

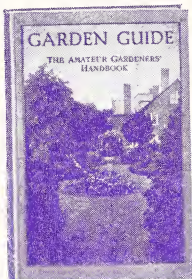
Middendorfi. A profuse bloomer over a long season. Flowers a deep golden yellow, three to five in a terminal head. Two to three feet.

Thunbergi. This is much like Lemon Lily except that it is taller and flowers after the earlier one has bloomed, or in August and September.

Dumortieri. (Daylily.) Orange-colored flowers. Grows about 18 inches high with abundance of flowers which are fine for cutting.

Each 25 cents; 12 at \$2.00; 25 at \$3.50.

PINETUM \$5 GROUP PLANTING SPECIAL. 100, first size bulbs, divided as follows 25 Panama (lavender pink); 25 Schwaben (strong yellow); 25 L'Immaculee (pure white); 25 Cracker Jack (dark red with yellow-green blotch).



A "MUST" GARDEN GUIDE

Here is a volume of 384 pages with 275 illustrations at \$1 that covers in compact and authoritative form every problem in gardening from spading to harvesting.

It is not necessarily a beginner's book but a reference medium that should be the constant companion of every careful gardener (he carries it in his garden coat at all times).

Paper, \$1; Cloth \$1.65.

DOMESTIC PARCEL POST RATES

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.

	1st lb. or fraction	1st add. lb. or fraction
First Zone New York City or 50 miles thereof.....	5c.	1c.
Second Zone within 50 to 150 miles	5c.	1c.
Third Zone within 150 to 300 miles	6c.	2c.
Fourth Zone within 300 to 600 miles	7c.	4c.
Fifth Zone within 600 to 1000 miles	8c.	6c.
Sixth Zone 1000 to 1400 miles.....	9c.	8c.
Seventh Zone 1400 to 1800 miles....	11c.	10c.
Eighth Zone all over 1800 miles and Canada	12c.	12c.

NOTE.—Limit of weight for delivery within the first, second and third zones, 70 pounds; to Canada 11 lbs., to all other zones 50 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage.

Gladioli by Parcel Post—12 bulbs weigh 1 lb.; 100 bulbs 8 lbs. Add postage at zone rates.

Dahlias by Parcel Post—Add 10c per root; 25c per 12; 100 or more go by express.

Irises by Parcel Post—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c.

Irises by Express—We recommend this mode of transit where quantities are over 18 to 24 plants.

Lily Bulbs—Same as Gladioli.

Montbretias—Same as Gladioli.

Narcissus—Same as Gladioli.

Peonies by Parcel Post—Add 15c. for each plant.

Shrubs—Pre-payment east of Mississippi on orders of \$8.00 and upward. We will advise cost on smaller shipments.

We pay insurance on all shipments. (Every shipment is insured.)

HYACINTHUS CANDICANS

Free-growing summer-flowering plant; spreads 2 to 3 feet, throwing up great, tall spikes, 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs; 15 cts. each, \$1.50 per doz., \$10 per 100.

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Accepted by the trade as the most successful remedy for plant insects, greenhouse or outdoors.

Half pint, 40c.; quart, \$1.00. gallon, \$3.00.

WHY BUGS LEAVE HOME



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This volume is especially recommended to the beginner but should be equally interesting to the most experienced.

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By
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By Mrs. Francis King

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No. _____

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Quantity	Cat. Page No.	Names of Varieties Wanted	Total Price
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PARCEL POST CHARGES

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**XXX
LAWN GRASS
SEED**

This mixture comprises as its basis the famous Thorburn strain, the oldest and most successful lawn grass seed ever introduced in this country. It is specific in its purposes since it is only adaptable along the Atlantic seaboard and inland for 500 miles.

Its chief feature is quick germination, an ever-green color and hardiness. Most lawn grasses are too delicate and do not withstand the hard wear which almost any lawn grass is subjected to. At the same time if germination is not relatively quick the loss is considerable and frequently means total failure.

The best lawns on Long Island were seeded with this basic mixture, some of them 40 years old, and we are quite sure that these exhibits are without an equal in any part of this country.

For use in other parts of the country we can change the mixture adding other seeds that will prove more successful.

The Cheapest Way to Buy Grass Seed is in Pounds Rather than Dry Measure.

Prices on XXX—(in burlap bags) 5 lbs. \$2.50; 10 lbs. \$4.50; 20 lbs. \$7.50. (25 pounds to the bushel.)

Sow 100 pounds to the acre. One pound will sow a plot 20 x 20 feet.

Every gardner needs at least 100 pounds of pulverized sheep manure. Each season it is the all-around complete, natural fertilizer and in liquid form (by adding water) about the quickest acting and most permanent. For roses, vegetables, gladioli and dahlias it is supreme. Also in the greenhouse because it is practically odorless.

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This popular and reliable brand is offered by us for shipments from Chicago.

A 100-lb. bag is equal to one wagon load of stable manure.

Price, 100-lbs. \$3.50, f.o.b. Chicago.

Pinetum XXX Bone Meal. (Ground bone.) Ideal for greenhouse, early fertilization of roses and most irises; also desirable as a mixture with dry sheep manure. Also as a top dressing for lawns. Prices, 100-lb. bags. \$3.50, f.o.b. New York City.

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Pinetum

**XXX
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(PULVERIZED)**

Pinetum ★★ *Specials* 1925

A.	4 Peonies, rated above 7.0. 4 varieties, usual price, \$4.00	\$ 2.00
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C.	6 Irises, 3 varieties rated above 7.0; usual price \$6.00	3.00
D.	6 Lilies, 3 varieties, usual price, \$5.00	2.50
E.	25 Montbretias, 6 varieties, usual price, \$3.00.	2.00
F.	12 Cannas, 6 varieties, usual price, \$1.50 .....	.75
G.	6 Tuberous begonias, 3 varieties, usual price, \$3.00	1.85
H.	25 Narcissus-poeticus and trumpets, usual price, \$3.00	2.00
I.	25 Gladioli, all-season bloom; 10 varieties; usual price, \$2.00	1.00

Postage 1st, 2nd and 3d Zones, parcel post, insured, add 25 cents on each order.

In 4th, 5th and 6th Zones add 50 cents.

J.	5 Roses, 3-yr. old—five varieties, usual price, \$4 to \$5	2.50
K.	6 Flowering Shrubs, 3 varieties, usual price, \$4.50	3.00

Total \$22.10

Special Combination Price \$20.00